

# *USAF School of Aerospace Medicine*



## *2003 Course Catalog*

*1 March, 2003*

*Team Aerospace Begins Here!*



## Table of Contents

<b>Table of Contents</b>	<b>1</b>
<b>Letter from the Commander</b>	<b>4</b>
<b>Introduction</b>	<b>5</b>
Organization	6
Mission Statement	6
<b>Application Process</b>	<b>7</b>
International Students	8
USAF Students	8
Distance Learning	9
<b>Course Index</b>	<b>10</b>
<b>Program Administration</b>	<b>17</b>
Accommodations	18
Transportation	18
Subsistence	18
Clothing	18
Facilities and Services	18
Medical and Dental Services	19
<b>Courses</b>	<b>20</b>
Advanced Aerospace Medicine for International Medical Officers (AAMIMO)	21
Advanced Force Health Management Workshop	22
Aeromedical Evacuation Technician	23
Aeromedical Evacuation Technician (Non-DoD)	24
Aerospace Medicine Primary	25
Aerospace Medicine Primary (Non-DoD)	26
Aerospace Medicine in Space Operations (AMSO) Course	27
Aerospace Physiologist (Non- USAF)	28
Aerospace Physiologist (USAF)	29
Aerospace Physiology Apprentice	30
Aerospace Physiology Craftsman	31
AF Environmental Management Information System (EMIS) Hazardous Waste & Environmental Reporting	32
AF EMIS User's Training Course	33
AF Consortium for the Sustainment of Trauma and Readiness Skills (C-STARS) – Critical Care Air Transport Team	34
Aircraft Mishap Investigation & Prevention (AMIP) – Aerospace Physiologist	35
Aircraft Mishap Investigation & Prevention – Clinical Psychologist	36
Aircraft Mishap Investigation & Prevention – Flight Surgeon	37
Aircraft Mishap Investigation & Prevention – Non-DoD Medical Investigator	38
Applied Epidemiology	39
Bioenvironmental Nuclear, Biological, & Chemical Operations (BNBC)	40
Bioenvironmental Engineering	41





U.S. AIR FORCE

*School of Aerospace Medicine*

---

Bioenvironmental Engineering Advanced Course	42
Bioenvironmental Engineering Apprentice	43
Bioenvironmental Engineering Craftsman	44
Clinical Hyperbaric Medicine Fellowship	45
Clinical Hyperbaric Nursing	46
Contingency Operations (All Other AFSCs)	47
Contingency/Counter-Terrorism Casualty Decontamination	48
Critical Care Air Transport Team	49
Data Quality Objectives	50
Enlisted Human Performance Enhancement	51
Environmental Quality Sampling	52
Expeditionary Medical Support Basic Course	53
Flight Nurse	54
Flight Nurse (Non-DoD)	55
Force Health Management Basic	56
Global Medicine	57
Hazardous Waste Operations & Emergency Response (40 Hour)	58
Hazardous Waste Operations & Emergency Response (8 Hour)	59
Health Promotion	60
Human Performance Enhancement	61
Hyperbaric Training	62
International Aeromedical Evacuation & Critical Care Air Transport Team	63
Medical Survival Evasion Resistance & Escape (SERE) Training	64
Military Audiology Short Course	65
Military Tropical Medicine 1	66
Military Tropical Medicine 2	67
Occupational Medicine	68
Operational Entomology	69
Public Health Apprentice	70
Public Health Aspects of USAF Occupational Health for Audiologists	71
Public Health Journeyman	72
Public Health Officer	73
Public Health Officer Advanced Course	74
Public Health Skills Bridge Course	75
Radiation Safety Officer	76
Residency in Aerospace Medicine	77
Team Aerospace Operational Solutions (TAOS) Aeromedical Officer Course	78
TAOS Aerospace Physiology Officer Course	79
TAOS Aerospace Physiology Supervisor Course	79
TAOS Bioenvironmental Engineering Officer Course	80
TAOS Bioenvironmental Engineering Supervisor Course	80
TAOS Flight Surgeons Course	81
TAOS Health Physics Course	81
TAOS Public Health Officer Course	82
TAOS Public Health Supervisor Course	82
Team Aerospace Funding Workshop	83
USAF Dental Infection Control and Occupational Health Course	84
United States Air Force (USAF) Ergonomics	85
USAF Hearing Conservation Certification	86
USAF Hearing Conservation Recertification	86

---

*Team Aerospace Begins Here*



<b>Appendix A</b>	<b>87</b>
Acronyms	88
<b>Appendix B</b>	<b>90</b>
Non-USAF Application	91
USAF Dental Infection Control and Occupational Health Course	92
<b>Contact Information</b>	<b>93</b>





## *From the Commander*

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Thank you your interest in the United States Air Force School of Aerospace Medicine (USAFSAM). USAFSAM is much more than a schoolhouse and every course here is an opportunity to be immersed in an educational experience while interacting with the finest airmen and officers in the AF Medical Service. Today, USAFSAM brings together the critical pieces of education, clinical practice/studies, and direct mission support in order to provide a university approach to operational medicine education and training. Equally critical to a robust learning experience for advanced students is the ability to interact with the Air Force Research Laboratory, the Human Systems Program Office, the Air Force Institute of Environmental Safety and Occupational Health Risk Analysis, Wilford Hall Medical Center, and other operational agencies or partners in the 311<sup>th</sup> Human Systems Wing, Brooks City-Base, and the city of San Antonio, Texas. All of these elements come together to provide our student an unsurpassed operational medicine learning experience.

There are three levels of educational experience available at USAFSAM: Entry Level, Advanced, and Graduate courses. Entry Level courses provide more lengthy initial training to new officer and enlisted Team Aerospace members in Aerospace Medicine, Aerospace Physiology, Bioenvironmental Engineering, and Public Health. Advanced courses include a wide variety of specialized courses intended to provide in-depth and hands-on training in some aspect of contingency support or operational health. Some examples include, Expeditionary Medical Support (EMEDS), Critical Care Air Transport (CCATT), Operational Entomology, and Hyperbaric Medicine Course. These courses are usually one or two weeks in length. Many of these courses are available for international students, as outlined in this catalog. USAFSAM also offers a world famous graduate medical education program, the Residency in Aerospace Medicine (RAM). This program includes a year to obtain a Master of Public Health Degree, a year of Aerospace Medicine Residency, and a year of either Occupational Medicine or Preventive Medicine. RAMs interact with federal, state, and local health agencies, and major industries with large occupational health programs. Graduates are usually eligible for certification in two preventive medicine specialties.

Our goal is to increase international cooperation and understanding through training opportunities. Students at USAFSAM in 2002 included 54 international students from 23 countries. In most cases, these students were sitting beside USAF students, enhancing the learning opportunity for the US and international students. Our flagship international course is the Advanced Aerospace Medicine for International Medical Officers (AAMIMO) course. The AAMIMO is a six-month course for advanced aerospace medicine physicians, providing comprehensive coverage of aerospace medicine topics to include aerospace clinical medicine, aeromedical evacuation and combat casualty care concepts, the space program, and policy. In the past 40+ years, the AAMIMO course has produced many hundreds of graduates from 86 countries, 35 of whom have gone on to become their nation's equivalent to the Air Force Surgeon General. In the future the USAFSAM international program will expand to include exportable international training and training to enable USAF medics to operate internationally (International Health Specialist program).

The bottom line is that in order to continue to be the international aerospace medicine center of expertise, we need to learn from and build lasting professional relationships with our international partners. We are committed to this goal. If you have any questions not adequately addressed by this catalog, please call (210) 536-2401 or visit our web site at [www.brooks.af.mil](http://www.brooks.af.mil).

THOMAS W. TRAVIS  
Colonel, USAF, MC, CFS  
Commander, USAF School of Aerospace Medicine

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U.S. AIR FORCE

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# *Introduction*

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## **Organization**

The organization of the USAF School of Aerospace Medicine (USAFSAM) focuses on the concept of integration. By integration, we maximize teamwork and resource efficiencies, and retain or improve the quality through a more multidisciplinary product. In the past, training was primarily conducted by individual Air Force Specialty Codes (AFSCs). Today, training occurs by functional teams composed of interdisciplinary medical professionals. Cross-functional training and utilization are emphasized.

The advantage to such organization and subsequent integration is a more solid concept of Team Aerospace. All undergraduate education and training is overseen by one department allowing course management and business practice efficiencies.

Likewise, multi-AFSC skills awareness can be achieved by fostering joint Utilization and Training Workshops (U&TW) and integrating force performance enhancement activities.

## **Train As We “Fight” – A Fully Integrated *TEAM*!**

## **Mission Statement**

The USAF School of Aerospace Medicine’s mission....

Provide Aerospace Medicine training, education, and consultation to enhance warfighter performance and combat casualty care for worldwide garrison and contingency operations.

From the inception of the school, we have striven to be the foremost authority regarding aerospace medical issues.

Therefore, it’s no surprise that our vision is to be:

## **“The International Center of Excellence for Aerospace Medicine”**

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*School of Aerospace Medicine*

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# *Application Process*

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## **International Students**

The Security Assistance Training Program (SATP) provides professional, flying, and technical training for international military trainees. Requests for training are made through the Security Assistance Officer (SAO) at the US Embassy (in most cases) in the applicant's home country. Requests should be initiated at least 12 months prior to desired course entry to ensure there is sufficient time for accomplishment and coordination of a Letter of Offer and Acceptance (LOA) between the US and the sending country (a shorter interval may be possible if the country has a blanket order training case in effect). The SAO requests a course quota through Air Force Security Assistance Training Squadron (AFSAT) at Randolph Air Force Base, Texas. AFSAT, in turn, requests a quota through USAFSAM/EAM. Once a quota is received, SAOs must provide AFSAT sufficient documentation to demonstrate the student has met the course prerequisites (including the curriculum of the student's basic aerospace medicine course if they are not a graduate of the USAFSAM Aerospace Medicine Primary Course). AFSAT forwards the documentation to USAFSAM/GE for approval of the student's application no later than 90 days prior to the class start date. Prior to departure, the SAO must ensure the student is briefed on the special requirements for the course (including uniforms). International trainees are required to have in their possession, or have made arrangements for acquiring, all season and special items of clothing listed in their specific course announcements. All USAFSAM courses require an English Comprehension Level (ECL) of 80. International trainees must meet all mandatory course prerequisites including equivalent U.S. military grade (except that international officers may be permitted to attend Air Force enlisted courses).

**The inclusion of a course description in this catalog does not constitute a guarantee of releasability or availability.** SAOs must coordinate with AFSAT for a Foreign Disclosure review before a student is allowed to attend a USAFSAM course. Furthermore, availability of any course is subject to standard quota controls and the training needs of the United States Air Force.

## **USAF Students**

USAF members desiring to attend classes at USAFSAM need to contact their Unit Training Manager (TM). The TM will contact their command Surgeon General's (SG) training office or, for ANG and Reserve, the headquarters personnel office (DP) and request a seat with the quota manager. The SG or DP quota manager will use an available seat or call USAFSAM/EAM Training for a seat. (If a seat is needed and one is available, then EAM gives it to the Command using the Oracle Training Administration (OTA). If a seat is not available, the command is put on a standby list for possible fallout seats.) The command SG training office will load the applicant into the OTA computer system. The requester will receive notification through the base Military Personnel Flight (MPF) 1 to 10 working days after being loaded. As a last resort, the requestor can call EAM Training (DSN 240-4680/4681 or COMM (210) 536-4680/4681) who will refer them to the appropriate command quota manager.

## **Non-USAF Students**

Interservice students must contact USAFSAM/EAM (DSN 240-4680/4681 or COMM (210) 536-4680-4681) with complete pre-registration information at least thirty days prior to the class start date. All students must be fully qualified to attend training at the





USAFSAM in accordance with the Education and Training Course Announcements (ETCA). The courses are offered at no charge. Refer to AR 351-9 Interservice training and the ETCA for more or specific information. Quotas for Interservice students are handled on a space available basis.

Other Department of Defense (DoD) services and government agencies must obtain their own funding for travel, lodging, and per diem when attending USAFSAM courses. Interservice Environmental Education Review Board (ISEERB) – Approved courses identify those courses that have been reviewed by subject matter experts from the DoD Components and found to have a common content suitable for use by more than one Component. ISEERB-approved courses eliminate duplication in course development by the Components and maximize the distribution of quality environmental training.

### **Distance Learning**

International students are asked to contact their SAO to obtain USAFSAM Advanced Distributed Learning (ADL) course material.

USAFSAM currently offers distributed learning courses using several different methods. To enroll in a CD-ROM course, contact the USAFSAM ADL office to find out enrollment procedures. Some of the CD-ROM courses are distributed to students from USAFSAM, but two of the CD-ROM courses are currently managed and distributed by the Air Force Institute for Advanced Distributed Learning (AFIADL). One of the ADL staff will be happy to assist you in contacting the appropriate course director or provide you directions for CD-ROM course enrollment procedures.

To enroll in LearnLinc synchronous training courses, personnel will need to log-on to the LearnLinc site and register per instructions. Course directors and supervisors will provide course dates and times to authorized students. All personnel desiring to take Distance Learning courses on-line will register when they initially log in. The information from the on-line registration will link with the school registrar's information allowing enrollment.

USAFSAM ADL staff may be reached by logging on to the USAFSAM homepage and proceeding to the Advanced Distributed Learning page or by calling.





U.S. AIR FORCE

*School of Aerospace Medicine*

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# *Course Index*

---

*Team Aerospace Begins Here*





U.S. AIR FORCE

*School of Aerospace Medicine*

---

## **Aerospace Physiology**

Aerospace Medicine Primary, p. 24  
Aerospace Medicine Primary (Non-DoD), p.25  
Aerospace Medicine in Space Operations (AMSO) Course, p.26  
Aerospace Physiologist (Non-USAF), p.27  
Aerospace Physiologist (USAF), p.28  
Aerospace Physiology Apprentice, p.29  
Aerospace Physiology Craftsman, p.30  
Aircraft Mishap Investigation & Prevention – Aerospace Physiologist, p.34  
Aircraft Mishap Investigation & Prevention – Clinical Psychologist, p.35  
Aircraft Mishap Investigation & Prevention – Flight Surgeon, p.36  
Aircraft Mishap Investigation & Prevention – Non-DoD Medical Investigator, p.37  
Enlisted Human Performance Enhancement, p.50  
Health Promotion, p.59  
Human Performance Enhancement, p.60  
Hyperbaric Training, p.61  
TAOS Aerospace Physiology Officer Course, p.79  
TAOS Aerospace Physiology Supervisor Course, p.79  
Team Aerospace Funding Workshop, p.86  
USAF Ergonomics, p.87

## **Flight Surgeon**

Advanced Aerospace Medicine for International Medical Officers, p.20  
Aerospace Medicine Primary, p.24  
Aerospace Medicine Primary (Non-DoD), p.25  
Aerospace Medicine in Space Operations (AMSO) Course, p.26  
Aerospace Physiologist (Non-USAF), p.27  
Aerospace Physiologist (USAF), p.28  
AF Sustainment of Trauma and Readiness Skills – CCATT, p.33  
Aircraft Mishap Investigation & Prevention – Aerospace Physiologist, p.34  
Aircraft Mishap Investigation & Prevention – Clinical Psychologist, p.35  
Aircraft Mishap Investigation & Prevention – Flight Surgeon, p.36  
Aircraft Mishap Investigation & Prevention – Non-DoD Medical Investigator, p.37  
Applied Epidemiology, p.38  
Clinical Hyperbaric Medicine Fellowship, p.44  
Contingency Operations, p.46  
Expeditionary Medical Support Basic Course, p.52  
Global Medicine, p.56  
Health Promotion, p.59  
Human Performance Enhancement, p.60  
Hyperbaric Training, p.61  
International Aeromedical Evacuation & Critical Care Air Transport Team, p.62  
Medical Survival, Evasion, Resistance, & Escape (SERE) Training, p.63  
Military Tropical Medicine 1, p.65  
Military Tropical Medicine 2, p.66  
Occupational Medicine, p.67  
Operational Entomology, p.70  
Residency in Aerospace Medicine, p.76  
Team Aerospace Funding Workshop, p.86  
USAF Ergonomics, p.87

---

*Team Aerospace Begins Here*





U.S. AIR FORCE

*School of Aerospace Medicine*

---

### **Bioenvironmental Engineering**

AF EMIS Hazardous Waste & Environmental Reporting, p.31  
AF EMIS User's Training Course, p.32  
Bioenvironmental Nuclear, Biological, & Chemical Operations, p.39  
Bioenvironmental Engineering, p.40  
Bioenvironmental Engineering Advanced Course, p.41  
Bioenvironmental Engineering Craftsman, p.43  
Contingency Operations, p.46  
Contingency/Counter-Terrorism Casualty Decontamination, p.47  
Expeditionary Medical Support Basic, p.52  
HAZWOPER (40 Hour), p.57  
HAZWOPER (8 Hour), p.58  
Radiation Safety Officer, p.75  
TAOS Bioenvironmental Engineering Officer Course, p.80  
TAOS Bioenvironmental Engineering Supervisor Course, p.80  
TAOS Health Physics Course, p.81  
Team Aerospace Funding Workshop, p.86  
USAF Ergonomics, p.87  
USAF Hearing Conservation Certification, p.88  
USAF Hearing Conservation Recertification, p.89

### **Public Health**

Advanced Force Health Management Workshop, p.21  
Aerospace Medicine Primary, p.24  
Aerospace Medicine Primary (Non-DoD), p.25  
Applied Epidemiology, p.38  
Contingency Operations, p.46  
Contingency/Counter-Terrorism Casualty Decontamination, p.47  
Expeditionary Medical Support Basic Course, p.52  
Force Health Management Basic, p.55  
Global Medicine, p.56  
Health Promotion, p.59  
Military Audiology Short Course, p.64  
Military Tropical Medicine 1, p.65  
Military Tropical Medicine 2, p.66  
Occupational Medicine, p.67  
Operational Entomology, p.68  
Public Health Apprentice, p.69  
Public Health Aspects of USAF occupational Health for Audiologists, p.70  
Public Health Journeyman, p.71  
Public Health Officer Advanced Course, p.73  
TAOS Public Health Officer Course, p.82  
TAOS Public Health Supervisor Course, p.82  
Team Aerospace Funding Workshop, p.86  
USAF Ergonomics, p.87  
USAF Hearing Conservation Certification, p.88  
USAF Hearing Conservation Recertification, p.89

---

*Team Aerospace Begins Here*





## **Flight Nurse & Aeromedical Transport**

Aeromedical Evacuation Technician, p.22  
Aeromedical Evacuation Technician (Non-DoD), p.23  
AF Sustainment of Trauma and Readiness Skills – CCATT, p.33  
Critical Care Air Transport Team, p.48  
Flight Nurse, p.53  
Flight Nurse (Non-DoD), p.54  
International Aeromedical Evacuation & Critical Care Air Transport Team, p.62  
Medical Survival, Evasion, Resistance & Escape (SERE) Training, p.63

## **Operational Health**

Advanced Force Health Management Course, p.21  
Aerospace Medicine Primary, p.24  
Aerospace Medicine Primary (Non-DoD), p.25  
Aerospace Medicine in Space Operations (AMSO) Course, p.26  
Aerospace Physiologist (Non- USAF), p.27  
Aerospace Physiologist (USAF), p.28  
AF EMIS Hazardous Waste & Environmental Reporting, p.31  
AF EMIS User's Training Course, p.32  
AF Sustainment of Trauma and Readiness Skills – CCATT, p.33  
Aircraft Mishap Investigation & Prevention – Aerospace Physiologist, p.34  
Aircraft Mishap Investigation & Prevention – Clinical Psychologist, p.35  
Aircraft Mishap Investigation & Prevention – Flight Surgeon, p.36  
Aircraft Mishap Investigation & Prevention – Non-DoD Medical Investigator, p.37  
Applied Epidemiology, p.38  
Bioenvironmental Nuclear, Biological, & Chemical Operations, p.39  
Bioenvironmental Engineering, p.40  
Bioenvironmental Engineering Advanced Course, p.41  
Bioenvironmental Engineering Apprentice, p.42  
Bioenvironmental Engineering Craftsman, p.43  
Contingency Operations, p.46  
Critical Care Air Transport Team, p.48  
Enlisted Human Performance Enhancement, p.50  
Environmental Quality Sampling, p.51  
Expeditionary Medical Support Basic Course, p.52  
Flight Nurse, p.53  
Flight Nurse (Non-DoD), p.54  
Force Health Management Basic, p.55  
Global Medicine, p.56  
Health Promotion, p.59  
Human Performance Enhancement, p.60  
International Aeromedical Evacuation & Critical Care Air Transport Team, p.62  
Military Audiology Short Course, p.64  
Military Tropical Medicine 1, p.65  
Military Tropical Medicine 2, p.66  
Occupational Medicine, p.67  
Operational Entomology, p.68  
Public Health Apprentice, p.69  
Public Health Aspects of USAF Occupational Health for Audiologists, p.70  
Public Health Journeyman, p.71  
Public Health Officer, p.72





U.S. AIR FORCE

*School of Aerospace Medicine*

---

Public Health Officer Advanced Course, p.73  
Public Health Skills Bridge Course, p.74  
Radiation Safety Officer, p.75  
Residency in Aerospace Medicine, p.76  
TAOS Aerospace Physiology Officer Course, p.79  
TAOS Aerospace Physiology Supervisor Course, p.79  
TAOS Bioenvironmental Engineering Officer Course, p.80  
TAOS Bioenvironmental Engineering Supervisor Course, p.80  
TAOS Flight Surgeons Course, p.81  
TAOS Health Physics Course, p.81  
TAOS Public Health Officer Course, p.82  
TAOS Public Health Supervisor Course, p.82  
USAF Ergonomics, p.87  
USAF Hearing Conservation Certification, p.88  
USAF Hearing Conservation Recertification, p.89

### **Humanitarian Civic, Contingency & Readiness**

Aeromedical Evacuation Technician, p.22  
Aeromedical Evacuation Technician (Non-DoD), p.23  
AF Sustainment of Trauma and Readiness Skills – CCATT, p.33  
Aircraft Mishap Investigation & Prevention – Aerospace Physiologist, p.34  
Aircraft Mishap Investigation & Prevention – Clinical Psychologist, p.35  
Aircraft Mishap Investigation & Prevention – Flight Surgeon, p.36  
Aircraft Mishap Investigation & Prevention – Non-DoD Medical Investigator, p.37  
Applied Epidemiology, p.38  
Bioenvironmental Nuclear, Biological, & Chemical Operations, p.39  
Bioenvironmental Engineering, p.40  
Bioenvironmental Engineering Advanced Course, p.41  
Bioenvironmental Engineering Apprentice, p.42  
Clinical Hyperbaric Medicine Fellowship, p.44  
Clinical Hyperbaric Nursing, p.45  
Contingency Operations, p.46  
Contingency/Counter-Terrorism Casualty Decontamination, p.47  
Critical Care Air Transport Team, p.48  
Expeditionary Medical Support Basic Course, p.52  
Flight Nurse, p.53  
Flight Nurse (Non-DoD), p.54  
Global Medicine, p.56  
HAZWOPER (40 Hour), p.57  
HAZWOPER (8Hour), p.58  
Hyperbaric Training, p.61  
International Aeromedical Evacuation & Critical Care Air Transport Team, p.62  
Medical Survival, Evasion, Resistance & Escape (SERE) Training, p.63  
Military Tropical Medicine 1, p.65  
Military Tropical Medicine 2, p.66  
Radiation Safety Officer, p.75

---

*Team Aerospace Begins Here*





### **Entry-Level Courses**

Aeromedical Evacuation Technician, p.22  
Aeromedical Evacuation Technician (Non-DoD), p.23  
Aerospace Medicine Primary, p. 24  
Aerospace Medicine Primary (Non-DoD), p.25  
Aerospace Medicine in Space Operations (AMSO) Course, p.26  
Aerospace Physiologist (Non-USAF), p.27  
Aerospace Physiologist (USAF), p.28  
Aerospace Physiology Apprentice, p.29  
Bioenvironmental Engineering, p.40  
Bioenvironmental Engineering Apprentice, p.42  
Flight Nurse (Non-DoD), p.54  
Hyperbaric Training, p.61  
Public Health Apprentice, p.69  
Public Health Officer, p.70  
USAF Hearing Conservation Certification, p.88

### **Advanced Courses**

Advanced Aerospace Medicine for International Medical Officers, p.20  
Advance Force Health Management Workshop, p.21  
Aerospace Medicine in Space Operations (AMSO) Course, p.26  
Aerospace Physiologist (Non-USAF), p.27  
Aerospace Physiology Craftsman, p.30  
AF EMIS Hazardous Waste & Environmental Reporting, p.31  
AF EMIS User's Training Course, p.32  
AF Sustainment of Trauma and Readiness Skills – CCATT, p.33  
Aircraft Mishap Investigation & Prevention – Aerospace Physiologist, p.34  
Aircraft Mishap Investigation & Prevention – Clinical Psychologist, p.35  
Aircraft Mishap Investigation & Prevention – Flight Surgeon, p.36  
Aircraft Mishap Investigation & Prevention – Non-DoD Medical Investigator, p.37  
Applied Epidemiology, p.38  
Bioenvironmental Nuclear, Biological, & Chemical Operations, p.39  
Bioenvironmental Engineering Advanced Course, p.41  
Bioenvironmental Engineering Craftsman, p.43  
Clinical Hyperbaric Nursing, p.45  
Contingency Operations, p.46  
Contingency/Counter-Terrorism Casualty Decontamination, p.47  
Critical Care Air Transport Team, p.48  
Data Quality Objectives, p.49  
Enlisted Human Performance Enhancement, p.50  
Environmental Quality Sampling, p.51  
Expeditionary Medical Support Basic Course, p.52  
Flight Nurse, p.53  
Flight Nurse (Non-DoD), p.54  
Global Medicine, p.56  
HAZWOPER (40 Hour), p.57  
HAZWOPER (8 Hour), p.58  
Health Promotion, p.59  
Human Performance Enhancement, p.60  
Hyperbaric Training, p.61  
International Aeromedical Evacuation & Critical Care Air Transport Team, p.62







U.S. AIR FORCE

*School of Aerospace Medicine*

---

Military Audiology Short Course, p.64  
Military Tropical Medicine 1, p.65  
Military Tropical Medicine 2, p.66  
Occupational Medicine, p.67  
Operational Entomology, p.68  
Public Health Aspects of USAF Occupational Health for Audiologists, p.70  
Public Health Journeyman, p.71  
Public Health Officer Advanced Course, p.73  
Public Health Skills Bridge Course, p.74  
Radiation Safety Officer, p.75  
TAOS Aerospace Physiology Officer Course, p.79  
TAOS Aerospace Physiology Supervisor Course, p.79  
TAOS Bioenvironmental Engineering Officer Course, p.80  
TAOS Bioenvironmental Engineering Supervisor Course, p.80  
TAOS Flight Surgeons Course, p.81  
TAOS Health Physics Course, p.81  
TAOS Public Health Officer Course, p.82  
TAOS Public Health Supervisor Course, p.82  
Team Aerospace Funding Workshop, p.86  
USAF Ergonomics, p.87  
USAF Hearing Conservation Certification, p.88  
USAF Hearing Conservation Recertification, p.89  
USAF Refractive Surgery for the Warfighter Workshop,

### **Graduate Courses**

Advanced Aerospace Medicine for International Medical Officers, p.20  
Clinical Hyperbaric Medicine Fellowship, p.44  
Residency in Aerospace Medicine, p.76

---

*Team Aerospace Begins Here*





U.S. AIR FORCE

*School of Aerospace Medicine*

---

# *Program Administration*

---

*Team Aerospace Begins Here*





### **Lodging**

On base billeting is available for all students. The current charge is \$27.00 a day. Each room has a private bath, television, refrigerator and microwave. The rooms are not large enough to accommodate dependents.

Students whose dependents accompany them will be placed in Transient Lodging Facilities (TLF) on a "Space Available" basis (unless they are written in your orders). Reservations for TLF can only be made 24 hours in advance if your arrival will be on a weekday and 5 days in advance for a weekend arrival. The billeting office can also provide a list of off-base, furnished housing, to accommodate your dependents. If rooms are available on-base, students are required to use them and will not be given non-availability for off-base.

### **Transportation**

The San Antonio International Airport is approximately 15 miles from the School of Aerospace Medicine. Commercial taxi is available from the airport to the school. No government transportation is available at the school. Rental cars are available at the airports; however, they're not funded by USAFSAM.

### **Subsistence**

The base has two dining facilities, Sidney's Grill and Lounge and the Brooks Club. Sidney's is conveniently located two blocks from USAFSAM, and is open seven days a week. Brooks Club is located in building 204 on the northwest side of the base. They're open Tuesday-Friday 1600-1800. There is a sandwich bar also, located at the BXtra.

### **Clothing**

While attending classes, students will be dressed in the appropriate uniform, unless otherwise noted, during the duty day. Physical Conditioning gear may be worn for special occasions at the approval of the course supervisor or Military Training Leader (MTL). Proper dress attire will be worn in all buildings on base. Open toed shoes, sleeveless shirts, short shorts and athletic wear are not authorized.

### **Facilities and Services**

The BXtra retail store is about ½ mile from the school and is open to U.S. military and international participants. Limited exchange services are extended to civilian Visiting Officer Quarters (VOQ) residents.

A branch of the Randolph-Brooks Federal Credit Union is located on base. Participants not qualifying for this credit union may wish to open an account at a commercial bank in town. International participants will need a bank account if they wish to cash any checks while they are attending school (including living allowance checks and checks from their embassies).

The post office is located near the school.

A full range of athletic and recreational facilities is available while attending school, including tennis courts, a golf course, basketball courts, a gymnasium with exercise equipment, and handball courts.





U.S. AIR FORCE

*School of Aerospace Medicine*

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#### **Medical and Dental Services**

Four medical providers and three dental officers provide comprehensive health care services. Clinic hours are available from 0700-1630 on Tuesday, Thursdays and Friday, 0700-1730 on Mondays and 0700-1500 on Wednesdays. Students can access same day health care by calling the clinic appointment desk at (210) 536-1847 and pressing 1 for Flight Medicine. Although annual exams are available for permanent party military members, they are generally not offered to students unless they are medically indicated. If you require contraception refills, they are done only with documentation of a PAP smear result in your medical record. In addition to medical and dental care the clinic also supports the base Health and Wellness Center, Life Skills Clinic, and the TRICARE health insurance referral center. Additional information on the clinic can be obtained by logging onto the Brooks City-Base website at: <http://www.brooks.af.mil/>.

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# *Courses*





## Advanced Aerospace Medicine for International Medical Officers

Course ID: B3FAY48G4 000  
MASL: D175062  
PDS Code: WSQ  
Duration: 23 Weeks

**Course Director Contact Info:**

PH. DSN 240-2269 COMM (210) 536-2269  
FAX. DSN 240-5920 COMM (210) 536-5920

**Description:** Designed for international flight medical officers/flight surgeons who have completed the Aerospace Medicine Primary Course (B30BY48G1-000) or a USAFSAM approved equivalent course in aerospace medicine and have served at least 2 years as operational flight surgeons at base or squadron level. Not intended for those who have already completed advanced training or residency training in aerospace medicine and are working as specialists in the field. The course emphasizes military aerospace medicine. It also provides exposure to a wide range of aerospace medical topics, including civil aviation medicine and space medicine. It enables students to address clinical aerospace, hyperbaric, and global preventive medicine problems; to evaluate and control or resolve operational aerospace medical problems; to perform the aeromedical/human factors aspects of aircraft mishap investigations and prevention, and to assume higher levels of responsibility in their aerospace medicine careers. Formal training in Hyperbaric Medicine, as well as Occupational Medicine, will also be completed. Elective learning opportunities will be available to each student to pursue and present scientific projects pertinent to his or her Air Force. Oral presentations will be given by each student on his or her Aerospace Medicine system and a clinical aeromedical case presentation. The USAFSAM Department of Graduate Medical Education at Brooks AFB will approve admission of all applicants based on their academic and physical qualifications and following recommendation of their respective government or air force



**Prerequisites:** Sponsorship by the sending nation's military or government; satisfactory completion of course B30BY48G1 000, Aerospace Medicine Primary Course or a USAFSAM approved equivalent course (for approved equivalent please contact the course supervisor), followed by a minimum of 2 years of professional work experience in operational aerospace medicine after completion of initial training; a reading, writing, and speaking knowledge of the English language, including aeromedical terminology and demonstrated by achievement of an ECL of 80 or above; an oral proficiency of 2/2 or above is highly recommended since the course requires students to give oral presentations and to participate in oral discussions with US classmates in portions of the course; a certificate that the applicant is physically qualified for USAF flying class II or equivalent. Applicants must be willing to engage in aerial flights and centrifuge, spatial disorientation, and altitude chamber training. It is important that students be neither over-qualified nor under-qualified for the course to benefit from this training. Questions about an applicant's background should be discussed in advance with USAFSAM international training personnel who can be reached at 210-536-2269 or DSN 240-2269.





## Advanced Force Health Management Workshop

Course ID: B3AZYAFHMW 001 **Course Director Contact Info:**

MASL:	PH. DSN 240-2059	COMM (210) 536-2059
PDS Code: JGM	FAX. DSN 240-3208	COMM (210) 536-3208
Duration: 5 Days		

**Description:** The purpose of this training is to educate the target audience on recent changes regarding the application of medical standards, force health management philosophy, and introduce them to the management of newly fielded programs. This course will be held once in FY 02, and then twice a year in FY 03 and beyond.

**Prerequisites:** For active duty members, the target audience is SSgt through MSgt in the 4EOX1 career field. Members of the 4E career field wishing to attend must have at least 6-month experience working with AFI 48-123, applying medical standards. For the ARC, SrA or above in any medical AFSC with at least 6 months experience working with AFI 48-123 applying medical standards will be authorized to attend.





## Aeromedical Evacuation Technician

Course ID: B3AZY4N0X1 000

MASL: D175056

PDS Code: WSL

Duration: 5 Weeks 4 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Prepares airmen for medical flight crew duties in aeromedical evacuation units. Enables graduates to perform the following duties: care for patients evacuated by air and prepare aircraft to receive patients; assist in patient enplaning and deplaning; use of oxygen equipment, ventilators, and other equipment used in the aeromedical environment; assist with patient in-flight management in a wartime environment, accomplish aeromedical evacuation administrative and operational procedures; and employ survival and life support principles, procedures, equipment, and techniques.

**Prerequisites:** Air Force active duty applicants must possess AFSC 4N051 or higher, have at least 1 year of experience in direct care and treatment of patients, and be recommended by the chief nurse or superintendent of their assigned facility. Applicant must be currently certified in the National Registry of Emergency Medical Technicians (NREMT). A strong medical, surgical, or emergency care background and attendance of an emergency medical technician course is highly recommended. For USAFR and ANG applicants, possession of AFSC 4N051 or higher is highly desirable, but as a minimum, successful completion of courses J3AQR4N031 (Medical Service Apprentice) and J5ABO4N031 (Medical Service Apprentice Clinical [Phase II]); or civilian/military equivalent. Applicants must be physically qualified for a flying Class III physical according to AFI 48-123. Individuals must comply with the Strength Aptitude Test (X Factor) according to AFMAN 36-2108 (formerly AFR 39-1). Must comply with weight standards according to AFI 40-502, Air Force Weight Management Program (formerly AFR 35-11). On initial in processing, each individual must present written documentation from their sending unit as proof that he or she meets weight standards. Individuals who fail to present proof will be weighed. If an individual subsequently exceeds the weight standards, he or she will then be tape measured to determine body fat percentage. Individuals not meeting body fat percentage standards will immediately be sent home at the expense of their sending unit. A negative SICKLEDEX exam is required for students of identified high-risk groups due to altitude chamber flights under conditions of less than 1 atmosphere conducted during the course. International students must have a minimum of ECL 80 SA. International student refer to page 24.







U.S. AIR FORCE

*School of Aerospace Medicine*

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## **Aeromedical Evacuation Technician (Non-DoD)**

Course ID: B3AZY4N0X1 010

MASL:

PDS Code:

Duration: 21 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Prepares international enlisted medical personnel for flight crew duties in aeromedical evacuation. Enables graduates to perform the following duties: care for patients evacuated by air and preparation of aircraft to receive patients; assist in patient enplaning/deplaning procedures; use of approved medical equipment for in-flight patient care. Assist with patient in-flight management in a peacetime and contingency environment, accomplish aeromedical evacuation administrative and operational procedures, and employ survival and life support principles, procedures, equipment, and techniques. The USAFSAM website will provide more guidance to potential international applicants as well as class dates.

**Prerequisites:** Applicants must have sponsorship by the sending nation's military or government. Applicants must be qualified for flying and physically competent to fulfill Aeromedical Evacuation related duties. SICKLEDEX exam is required for perspective students of identified high-risk groups due to altitude chamber flights conducted during course under conditions of less than 1 atmosphere. Applicants must have at least one year of experience in direct care and treatment of patients, a strong emergency care background and attendance of an emergency medical technician course is highly recommended. Applicants must have reading, writing and speaking knowledge of the English language, including medical terminology and demonstrated by achievement of an ECL of 80 or above; oral proficiency 2/2 or above is highly recommended since the course requires students to perform simulated crew duties where verbal dialogue is applied. Questions about an applicant's background should be discussed in advance with USAFSAM international training personnel who can be reached at (210) 536-2646 or DSN 240-2646.

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## Aerospace Medicine Primary

Course ID: B3OBY48G1 000

MASL: D1750002

PDS Code: WSU

Duration: 37 Days

**Course Director Contact Info:**

PH. DSN 240-2844 COMM (210) 536-2844

FAX. DSN 240-2017 COMM (210) 536-2017

**Description:** Trains medical officers to perform duties as flight surgeons and to accomplish the objectives of the USAF Aerospace Medicine Program. Provides the student with the knowledge and skills required for the treatment and proper administrative disposition of aircrew members and for assuming the responsibilities of a general preventive medical member of the bioenvironmental engineering, occupational medicine, and military public health teams. Includes review of the clinical medical topics important in aerospace medicine; i.e., otolaryngology, audiology, ophthalmology, internal medicine, neurology, psychiatry, etc., with emphasis on particular applications of these specialty areas in aerospace medicine; instruction and experience in the physiology of altitude and acceleration; employment of survival/life support principles and equipment; instruction in aircraft accident investigation; the administrative requirements of aeromedical services and in the application of physical standards to the patient population for which the flight surgeon is responsible. Orientation to flying in a current inventory trainer aircraft and training in the human centrifuge are also provided when equipment is available.

**Prerequisites:** Applicants must meet flying class II physical standards and be willing to engage in frequent and regular aerial flights. Air Force-sponsored medical students must have completed SAM II training or an approved Air Force survival course. ECL 80 SA or higher. Completion of Commissioned Officer Training (COT) School, Air Force Reserve COT, ROTC, AF Academy or Uniformed Services University of the Health Sciences (USUHS) is required prior to attending this course. (Written request for waiver to this policy must be submitted to Chair, Department of Aerospace Education and Training, USAFSAM, NLT 60 days prior to course start date.) US/DoD AMP applicants must have a SECRET-level clearance prior to arriving for AMP. US/DoD AMP students without this will not be allowed to take SERE training. This will result in the student receiving an INCOMPLETE for AMP until they can complete SERE training. International students refer to page 26.





## Aerospace Medicine Primary (Non-DoD)

Course ID: B3OBY48G1 010  
MASL: D1750002  
PDS Code: WSU  
Duration: 30 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Trains medical officers to perform duties as flight surgeons and to accomplish the objectives of the USAF Aerospace Medicine Program. Provides the student with the knowledge and skills required for the treatment and proper administrative disposition of aircrew members and for assuming the responsibilities of a general preventive medical member of the bioenvironmental engineering, occupational medicine, and military public health teams. Includes review of the clinical medical topics important in aerospace medicine; i.e., otolaryngology, audiology, ophthalmology, internal medicine, neurology, psychiatry, etc., with emphasis on particular applications of these specialty areas in aerospace medicine; instruction and experience in the physiology of altitude and acceleration; employment of survival/life support principles and equipment; instruction in aircraft accident investigation; the administrative requirements of aeromedical services and in the application of physical standards to the patient population for which the flight surgeon is responsible. Orientation to flying in a current inventory trainer aircraft and training in the human centrifuge are also provided when equipment is available.

**Prerequisites:** Applicants must meet flying class II physical standards and be willing to engage in frequent and regular aerial flights. Air Force-sponsored medical students must have completed SAM II training or an approved Air Force survival course. ECL 80 SA or higher. Completion of Commissioned Officer Training (COT) School, Air Force Reserve COT, ROTC, AF Academy or Uniformed Services University of the Health Sciences (USUHS) is required prior to attending this course. (Written request for waiver to this policy must be submitted to Chair, Department of Aerospace Education and Training, USAFSAM, NLT 60 days prior to course start date.) US/DoD AMP applicants must have a SECRET-level clearance prior to arriving for AMP. US/DoD AMP students without this will not be allowed to take SERE training. This will result in the student receiving an INCOMPLETE for AMP until they can complete SERE training.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## Aerospace Medicine in Space Operations Course (AMSO)

Course ID: B3OZYAMSO 001

MASL:

PDS Code: SOA

Duration: 3 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** The duration of this course is 3 days long. It is designed to provide training for United States Air Force flight surgeons (48XX) and other officer AFSC's with an interest in Team Aerospace. It provides instruction including the basic background information on the space environment, the history of medical support to space operations, space physiology, current space operations, and future space policy.

**Prerequisites:** None.



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## Aerospace Physiologist (Non-USAF)

Course ID: B3FBY43A1 010  
MASL: D175066  
PDS Code: 20C  
Duration: 24 Days

**Course Director Contact Info:**

PH. DSN 240-2844 COMM (210) 536-2844  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Runs in conjunction with B3OBY43A1 001, Aerospace Physiologist (USAF), and provides the knowledge to perform basic duties as an aerospace physiologist. Includes principles and application of aviation physiology, science of the earth's atmosphere, introduction to human factors, and aircraft accident investigation techniques. Instruction in the use of the ejection seat trainer, night vision trainer, barony chair and applicable aircrew life support equipment is necessary to expose physiologists to the flying stresses experienced by aircrews. Familiarizes students with operation and maintenance of low-pressure chambers and associated equipment used in career field. Students undergo low-pressure chamber, ejection seat, centrifuge, and advanced spatial disorientation demonstrator training. Students will also perform duties at each crew position on the low-pressure chamber.

**Prerequisites:** None.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## Aerospace Physiologist (USAF)

Course ID: B3OBY43A1 001

MASL:

PDS Code: 20C

Duration: 39 Days

**Course Director Contact Info:**

PH. DSN 240-2844 COMM (210) 536-2844

FAX. DSN 240-2017 COMM (210) 536-2017

**Description:** Provides the knowledge to perform basic duties as an aerospace physiologist. Course material includes principles and application of aviation physiology, science of the earth's atmosphere, introduction to human factors, and aircraft accident investigation techniques. Instructs in the use of the ejection seat trainer, night vision trainer, barony chair, and applicable aircrew life support equipment necessary to expose physiologists to the flying stresses experienced by aircrews. Familiarizes students with forms, publications, data processing software, operations and maintenance of low-pressure chambers and associated equipment used in career field. Helps students understand management requirements. Students undergo low-pressure chamber, ejection seat, centrifuge, and advanced spatial disorientation demonstrator training. Students will also perform duties at each crew position on the low-pressure chamber. Students receive instruction in communication skills and instructor methodology. Graduates will be prepared to instruct original and operational support students per AFI 11-403, Aerospace Physiological Training Program. Students will complete the US Air Force methods of instruction courses as part of this course. Non-rated US Air Force students will receive flight familiarization training during the last 2 weeks of the course. This course is not open to international students. All non-USAF students should request to attend B3FBY43A1 010, Aerospace Physiologist (Non-USAF).

**Prerequisites:** Completion of Commissioned Officer Training (COT) School or Air Force Reserve COT is required prior to attending this course. (Written request for waiver to this policy must be submitted to Chair, Department of Aerospace Education and Training, USAFSAM, NLT 60 days prior to course start date.) International students refer to page 28.

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*Team Aerospace Begins Here*





## Aerospace Physiology Apprentice

Course ID: B3ABYM031 002  
MASL: D175003  
PDS Code: NCP  
Duration: 45 Days

**Course Director Contact Info:**  
DSN 240-2844 COMM (210) 536-2844  
FAX: DSN 240-2017 COMM (210) 536-2017

**Course Description:** Provides knowledge and basic skills to perform entry-level duties as an enlisted Aerospace Physiology Apprentice. Training includes basic facts and terms about aerospace physiology, physiology fundamentals, operation of hyperbaric chambers and supporting equipment, other physiological training devices, personal life support equipment, administrative procedures of physiological training, aircraft emergency escape, cabin pressurization, and briefings on specialized aspects of MAJCOM aerospace physiology programs.

**Prerequisites:** Air Force students must meet requirements IAW AFMAN 36-2108 for the Aerospace Physiological Training Program.







## Aerospace Physiology Craftsman

Course ID: B3ACYM071 000

MASL:

PDS Code: 2IG

Duration: 10 Days

**Course Director Contact Info:**

DSN 240-2844 COMM (210) 536-2844

FAX: DSN 240-2017 COMM (210) 536-2017

**Course Description:** Provides knowledge and skills to perform duties as an enlisted Aerospace Physiology Craftsman. Completion of this course is mandatory for award of 4M071. Education and training includes 7-level career ladder progression, advanced physiology instruction, Aerospace Physiology unit management, mission and/self imposed stresses, situational awareness, spatial disorientation, and decompression sickness management. Training also includes practical demonstrations in the Advanced Spatial Disorientation Trainer (ASDT) and centrifuge.

**Prerequisites:** Air Force students with an AFSC of 4M051, staff sergeant (E-5) or above, in normal 7-level upgrade training are eligible to attend the resident course after completing 12 months in upgrade training if all other mandatory upgrade requirements and specific course prerequisites have been completed. Individuals must complete 18 months in upgrade training for award of the 7-level. Individuals in 7-level retraining are eligible to attend the resident course after 6 months in upgrade training if all other mandatory training requirements have been completed. Individuals in retraining status must complete 12 months in upgrade training for award of the 7-level. Students projected for this course must complete the AF Form 623a. The completed AF Form 623a will be required for course attendance.







## **AF EMIS Hazardous Waste & Environmental Reporting**

Course ID: B3OZY0000E 019

MASL:

PDS Code: 89T

Duration: 3 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** AF-EMIS Hazardous Waste and Environmental Reporting is a three-day course designed for hazardous waste managers and environmental management personnel (primarily environmental compliance and pollution prevention) using the Air Force-Environmental Management Information System (AF-EMIS). During the first two days the students will gain an understanding of the operational aspects of AF-EMIS and how it links to their everyday business practices. They will learn how it tracks hazardous material and hazardous waste and what data are required for optimal operation. On the third day students will have the opportunity to apply queries and extract reports from AF-EMIS with the assistance of an experienced instructor. NOTE: This course DOES NOT meet the requirements for the full 4-day AF-EMIS course that covers purchasing, issue, storage, use, and environmental aspects of hazardous chemicals and materials involved in the basic operation of the installation HAZMAT Pharmacies.

**Prerequisites:** Personnel whose duties include using AF-EMIS for either the management and tracking of hazardous waste and/or the management of environmental compliance programs and/or environmental pollution prevention programs, including data collection and reporting. Students should have basic PC Windows experience. Personnel must obtain approval from their Major Command Training Manager prior to attending the course.





## AF EMIS User's Training Course

Course ID: B3OZY0000E 014

MASL:

PDS Code: 116

Duration: 4 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** The Environmental Management Information System (EMIS) is a Windows-based management tool used to track and control the purchasing, issue, storage, use, and environmental aspects of chemicals and hazardous materials. This software program is designed to manage the basic operation of the installation HAZMAT Pharmacies. The primary objective of the EMIS course is for students to achieve proficiency in the use of EMIS to control and track their installation's hazardous materials. The course includes 4 days of hands-on instruction and use of EMIS.

**Prerequisites:** Bioenvironmental Engineering, Civil Engineering, and Logistics personnel who work daily in the Hazardous Material Pharmacy, whose duties will include AF-EMIS "hands-on" operation, and who have basic PC Windows experience. Also eligible are civilians working in the HAZMAT Pharmacy. Personnel trained in this course will be approved by their Major Command Training Manager. Those not meeting these requirements must apply for a waiver from USAFSAM/EA.





## **AF Sustainment To Trauma and Readiness Skills (C-STARS) – CCATT**

Course ID: B4OZYSTARS C11

MASL:

PDS Code: XTZ

Duration: 14 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Description:** C-STARS is an initiative that places fully trained military nurses, technicians, and physicians in civilian trauma centers that care for large numbers of trauma and critical care patients. This 14-day course is designed specifically for personnel assigned to CCATT UTC's and fulfills the sustainment requirements for CCATT. This sustainment training is accomplished through hands on patient care in a busy urban trauma center as well as in the classroom. The lecture series and skills labs are designed to optimize the student's knowledge of CCATT specific clinical scenarios as well as equipment. The course culminates in a field exercise involving a training mission at Wright-Patterson AFB. This course enables the rotator to complete AFSC specific RSV's as well as the AMC defined sustainment goals for the CCATT UTC's.

**Prerequisites:** Course participants must be assigned to a CCATT UTC and must have completed the CCATT basic course at Brooks City Base (B3OZYCCATT-000). International students are currently not authorized to attend this course.





## **Aircraft Mishap Investigation & Prevention – Aerospace Physiologist**

Course ID: B3OZY43A3 003  
MASL: D175142  
PDS Code: IAD  
Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Prepares aerospace physiologists to assist in aircraft accident investigations. Reviews human, environmental, and materiel factors which directly or indirectly contribute to the aircraft mishaps. Uses extensive lab work of simulated or actual aircraft mishaps to learn the keys of accident investigation. Aerospace physiologists will work in teams with psychologists and flight surgeons in this course.

**Prerequisites:** Students must be active aerospace physiologists (043A1, M11XXX, or M12XXX). Minimum of one-year experience in an APTF instructing aircrew in areas of aerospace physiology, human factors, and spatial disorientation.





## **Aircraft Mishap Investigation & Prevention – Clinical Psychologist**

Course ID: B3OZY42P3 003  
MASL: Da75152  
PDS Code: IAD  
Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Prepares clinical psychologists to perform aircraft accident investigations. Reviews human, environmental, and materiel factors which directly or indirectly contribute to the aircraft mishaps. Uses extensive lab work of simulated or actual aircraft mishaps to learn the keys of accident investigation. Clinical psychologists will work in teams with flight surgeons and aerospace physiologists in this course.

**Prerequisites:** Must be active clinical psychologists (42P3). Students must be medically qualified for physiological training IAW AFI 48-123, A8.4 and bring their current AF Form 1042 with them to this course.





## Aircraft Mishap Investigation & Prevention – Flight Surgeon

Course ID: B3OZY48G3 003  
MASL: D175128  
PDS Code: 1AE  
Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Prepares DoD physicians for aircraft mishap investigation. Teaches student the skills and knowledge necessary to conduct a safe and proper collection and preservation of evidence. Teaches student to critically analyze data to determine causation. Familiarizes student with the safety board process and resources for assistance. Privileged safety information may be included in this course. Physicians will work in teams with psychologists and physiologists during certain aspects of the course.

**Prerequisites:** Intended for military physicians serving as active flight surgeons. Other relevant candidates, such as pathologists may be allowed to attend the course.





## **Aircraft Mishap Investigation & Prevention – Non-DoD Medical Investigator**

Course ID: B3OZY48G3-010  
MASL: D175160  
PDS Code: 1AF  
Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Prepares non-DoD physicians for aircraft mishap investigation. Teaches student the skills and knowledge necessary to conduct a safe and proper collection and preservation of evidence. Teaches student to critically analyze data to determine causation. Familiarizes student with the safety board process and resources for assistance. Privileged safety information is NOT included in this course. Otherwise, course material is virtually identical to the DoD Flight Surgeon AMIP Course. Physicians will work in teams with psychologists during certain aspects of the course.

**Prerequisites:** International students must have ECL 80 SA.







U.S. AIR FORCE

*School of Aerospace Medicine*

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## Applied Epidemiology

Course ID: B3OZYAPEPI 002

MASL:

PDS Code: 15Z

Duration: 8 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Teaches epidemiological methods and skills to enable students to perform public health surveillance and investigate disease outbreaks or perceived disease clusters at base level or during contingency operations. Training will include data collection, analysis of surveillance data, risk measurement and assessment, and epidemiological problem-solving techniques. Students will work in teams to solve case studies based on real-life situations, using epidemiological and analytical skills taught in the course.

**Prerequisites:** All students (Officers and Enlisted) must have successfully completed the Centers for Disease Control and Prevention (CDC) distance learning course, "Principles of Epidemiology". Active duty, ANG, or AFRC commissioned officers with 2 years experience performing duty in AFSCs 43HX or 48X3. Other military officers, uniformed services or civilian equivalents may attend if currently using epidemiology in their job; course supervisor approval required.

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## **Bioenvironmental Nuclear, Biological & Chemical Operations**

Course ID: B3AZY4B0X1 017  
MASL: D175156  
PDS Code: 92I  
Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** The course provides Bioenvironmental Engineering officers and enlisted personnel with knowledge and skills required to perform Nuclear, Biological and Chemical (NBC) prevention, surveillance and recovery during wartime contingencies where an NBC threat is probable. Training consists of responsibilities in the Survival Recovery Center (SRC) to include field data evaluation and health risk assessment in an NBC environment. Training also consists of responsibilities in the NBC Cell to include attack plotting, tracking, prediction, and reporting, as well as detection and delineation. Students will participate in a field exercise, which requires the application of NBC responsibilities and actions learned in class.

**Prerequisites:** Enlisted personnel with a primary AFSC of 4B051/71, with at least three years of field experience after graduating from course B3ABY4B031-001, Bioenvironmental Engineering Apprentice. Bioenvironmental Engineering Officers, O-1 to O-4, with at least three years of field experience after graduating from course B3OBY43E1-000, Bioenvironmental Engineering. Individuals who do not meet any of the above requirements must apply for a waiver from USAFSAM/EAM to attend this course.





## Bioenvironmental Engineering

Course ID: B3OBY43E1 010  
MASL: D175073  
PDS Code: HIJ  
Duration: 78 Days

**Course Director Contact Info:**

PH. DSN 240-2844 COMM (210) 536-2844  
FAX. DSN 240-2017 COMM (210) 536-2017

**Description:** Supercedes Course B3OBY43E1-000. Prepares newly commissioned bioenvironmental engineers to manage base-level bioenvironmental engineering (BEE) programs in support of the USAF Aerospace Medicine Program. Major emphasis of the course deals with the protection of Air Force personnel in the environment of chemical, radiological, and physical hazards in both peacetime and wartime situations. Students develop skills in anticipating and recognizing hazards and environmental problems, evaluating the effects, and designing control measures. Training is in mission support and interface, core sciences (such as physiology, chemistry, toxicology and medical readiness indoctrination), hazardous materials and emergency response, recognizing potential occupational and environmental hazards, Occupational Safety and Health Administration (OSHA) programs and Air Force implementation, chemical hazards (such as chemical exposure evaluation, ventilation, respiratory protection, and personal protective equipment), physical hazards (such as ergonomics, heat and cold stress, noise, and radiation), activity surveillance and risk management, incident response operations - peacetime nuclear weapons accidents, community health (such as solid and hazardous waste, air pollution, radon, lead, asbestos, water pollution and potable water), environmental restoration, environmental planning, USAF environmental protection programs, contingency operations, and management principles. Additionally, completion of this course after 1 Jan 99 certifies that students have met all the requirements of the Bioenvironmental Engineering Nuclear, Biological and Chemical Operations Course (B3AZY4B0X1 017).



**Prerequisites:** Academic prerequisites vary depending upon specialty shred-out; see AFI 36-2105. A baccalaureate degree in an engineering discipline is required unless waived by HQ USAF/SG. The officer must be presently performing duties as an active duty, Air Reserve Force or Air National Guard bioenvironmental engineer with a 43E1 AFSC. Civilian students serving as industrial hygienists (civilian series 0690, minimum GS-9) at active duty installations, Guard, and Reserve bases are also eligible to attend with prior approval of USAFSAM/BE and USAFSAM/EA. All students must be in active duty status to attend this course. International students must have approval from USAFSAM/EA, an engineering degree, and an ECL 80 SA before entry into the class. Completion of Commissioned Officer Training (COT) School or Air Force Reserve COT or ROTC or OTS or USAF Academy is required prior to attending this course. (Written request for waiver to this policy must be submitted to Chair, Department of Aerospace Education and Training, USAFSAM, NLT 60 days prior to course start date.).





## **Bioenvironmental Engineering Advanced Course**

Course ID: B3OZY43E3 001  
MASL:  
PDS Code: BMO  
Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** This course provides knowledge and skills on the management and leadership aspects of Bioenvironmental Engineering (BEE) and is designed for those officers serving or preparing to serve as the senior BEE at their base. Training will include practical exercises and information and resources, contract and office management, career/professional development, effective communication, advanced and current issues, performance measurement and strategic planning.

**Prerequisites:** All active duty, AFRC and ANG BEE officers and civilian equivalents with AFSC 43EXA, graduating the BEE initial course after 2 Nov 99, must complete the initial BEE officer course (B3OBY43E1 010) and the distance learning 40-hr Radiation Safety Officer course (B6RSOM) prior to attending the in-resident portion. The student will have two years from graduation of the BEE initial course to complete the distance-learning portion of the course. Students may not attend the in-residence course until they successfully complete the distance-learning portion of this course.





## Bioenvironmental Engineering Apprentice

Course ID: B3ABY4B031 002

MASL:

PDS Code: DJI

Duration: 69 Days

**Course Director Contact Info:**

PH. DSN 240-2844 COMM (210) 536-2844

FAX. DSN 240-2017 COMM (210) 536-2017

**Description:** Provides knowledge and basic skills to perform entry level duties as a bioenvironmental engineering specialist. Training includes: written and oral communications; basic math; basic chemistry; basic physics; basic ecology and toxicology; drinking water surveillance and analysis; solid waste management; familiarization with Air Force, state, and federal environmental protection programs; environmental pollution and compliance sampling; ionizing and nonionizing radiation hazards and controls; radioactive waste disposal; film dosimetry program; industrial hygiene surveillance (illumination, ventilation, thermal stress, atmospheric sampling, toxic materials, equipment calibration and use, respiratory protection, indoor air quality, ergonomics, confined spaces, noise, and industrial facility survey procedures and techniques); and medical readiness: (chemical/natural/radiological and biological evaluation and control procedures for peacetime accidents; chemical/radiological/biological warfare defense; agent detection, neutralization and control techniques; and use of nuclear/biological/chemical detection and monitoring equipment). All medical readiness training requirements of the Basic Medical Readiness Course (BMRC) are met in this technical training course.



**Prerequisites:** International students working for the United States government must have approval from USAFSAM/TA and an ECL 80 SA or higher prior to entry into the class.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## Bioenvironmental Engineering Craftsman

Course ID: B3ACY4B071 001

MASL:

PDS Code: 218

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Provides knowledge and skills for personnel to successfully manage a Bioenvironmental Engineering Flight. This course will provide students with the knowledge needed to manage personnel, supplies, equipment, budgets and workload.



**Prerequisites:** Students must have completed all 7- level core tasks through On-The-Job-Training (OJT) and completed the 7- level Career Development Courses (CDCs), once they become available.

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## Clinical Hyperbaric Medicine Fellowship

Course ID: B5OZY48A4 001  
MASL:  
PDS Code: OR9  
Duration: 1 Year

**Course Director Contact Info:**

PH. DSN 240-2845 COMM (210) 536-2845  
FAX. DSN 240-5920 COMM (210) 536-5920

**Course Description:** Provides education and practical training necessary to function as a fully qualified clinical hyperbaric physician in DOD clinical hyperbaric medicine facilities. Selectees attend, as required, B3OZY4HPT-000, Hyperbaric Academic Training. Approximately 20% of the fellowship is academic and includes lectures, seminars, and library investigations in the subjects of hyperbaric physiology, respiratory physiology, hyperbaric medicine, diving medicine, and biostatistics. Approximately 70% of the fellowship is participation in the practice of clinical hyperbaric medicine. Students get experience in examination and evaluation of potential patients, consultation with referring physicians, and direct patient care. This also includes emergency on-call procedures and practices. Approximately 10% of the fellowship involves research experience in human clinical, animal, and literature research projects conducted by the Hyperbaric Medicine Division, Brooke Army Medical Center and the Wilford Hall Medical Center.

**Prerequisites:** In addition to requirements shown in section A (see procedures in ETCA at <https://etca.randolph.af.mil>), applicants must be physically qualified for hyperbaric chamber duty per AFI 48-123, must be documented with a current AF Form 1042. Satisfactory completion of course B3OBY48G1 000, Aerospace Medicine, Primary. Foreign applicants may be considered on a case-by-case basis.





## Clinical Hyperbaric Nursing

Course ID: B3OZY46X0 002  
MASL: D175133  
PDS Code: 5JV  
Duration: 7 Weeks

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Provides training necessary to function as a baromedical nurse in a clinical hyperbaric medicine facility. Immediately following the clinical course, 4 weeks of job qualification training is mandatory at the selectee's clinical hyperbaric site before the nurse is considered fully qualified. Emphasis is on the management of total patient care for critically/chronically ill patients selected for hyperbaric oxygen therapy. Academic portion includes seminars on hyperbaric physiology, medicine, and nursing. Clinical portion emphasizes total patient care in a hyper-oxygenated pressurized environment: the use of mechanical ventilators; evaluation and monitoring of neurological status; cardiopulmonary monitoring; the use and management of sophisticated medical equipment under changing pressure conditions; physical assessment skills to encompass physical and psychological status of multiple patients simultaneously; and administrative maintenance of data for research and consultation purposes. Attendees participate in all phases of clinical hyperbaric medicine, including patient wound care. Students gain experience in emergency practice to include treatment of decompression sickness, air embolism, carbon monoxide poisoning, and gas gangrene. This course is only offered on an as-needed basis; therefore there are no pre-determined class dates. Maximum number of students per class is two.

**Prerequisites:** Air Force, Navy and Army Nurse Corps officer (Regular or Career Reserve) in grade of second lieutenant through lieutenant colonel with a minimum of 2 years of active duty, and a minimum of 1 year experience in critical care nursing (intensive care unit/coronary care unit/recovery room/level I-II emergency room) BSN or BS with MSN required. Selectees will attend the B3AZY4HPT-000, Hyperbaric Academic Training Course, if not previously attended, bringing the training course to a total of 8 weeks at Brooks AFB. A test of pressure or equivalent is mandatory before assignment.





## **Contingency Operations (CONOPS) (All other AFSCs)**

Course ID: B3OZYCONOP 000    **Course Director Contact Info:**  
MASL: D175137    PH. DSN 240-3571    COMM (210) 536-3571  
PDS Code: XRT    FAX. DSN 240-2017    COMM (210) 536-2017  
Duration: 10 Days

**Course Description:** The Contingency Operations Course provides training to personnel who have preventive medicine missions during wartime contingencies, operations other than war (OOTW), and/or natural disaster relief operations. The target audiences for the CONOPS course are mid-level managers with little or no deployment experience and new members of preventive medicine deployment teams (Unit Type Codes). Training is accomplished through real world, peacetime and wartime, situational contingencies scenarios. Some of the training includes:

- a. Mobilization Planning: Current world threats; medical readiness update; joint operations planning; EMEDs concepts/equipment; medical intelligence; deployment medical surveillance; arthropod-borne diseases of military significance; dangerous flora and fauna; characteristics of nuclear, biological, and chemical weapons; and contingency contracting.
- b. Deployment Planning: Site selection considerations; field hygiene and sanitation; field drinking water theory and laboratory; force health protection; food and water vulnerability assessments; field subsistence considerations; and vector surveillance during deployment.
- c. Sustainment Planning: Outbreak investigations; current/future biological agent detection capabilities; heat stress measurement devices; recreational facility field water; environmental health assessments; public health implications of domestic disaster response; complex humanitarian emergency response and complex humanitarian provisions.
- d. Post Deployment Planning: Retrograde cargo inspections and after action reporting.

**Prerequisites:** Enlisted: The course is open to Air Force enlisted personnel with AFSCs of 4E0X1, 4B0X1, 4N0X1 (SEI 496), 4N0X1 (who hold an SME billet) and international health specialists. Enlisted personnel must be at least a 5-skill level. Officers: The course is open to Air Force officers, ranks O-1 through O-4, with AFSCs 41A3, 43E3, 43H3, 43M3, 43G3, 48A3, 48E3, 48P3. Officers must have at least one year of service. Others: Additionally, this training is available to preventive medicine international equivalents, as well as any DoD medical specialty involved in preventive medicine duties; pending training need and seat availability.







## Contingency/Counter-Terrorism Casualty Decontamination

Course ID: B3AZYDECON 000    **Course Director Contact Info:**  
MASL:                                      PH. DSN 240-3571    COMM (210) 536-3571  
PDS Code: DWO                              FAX. DSN 240-2017    COMM (210) 536-2017  
Duration: 5 Days

**Course Description:** This course provides training for personnel required to provide Medical Decontamination training in support of worldwide USAF operations. Emphasis is on the primary mission of the Wartime Medical Decontamination Team, including removal and neutralization of Nuclear, Biological and Chemical (NBC) agents on wartime casualties prior to being admitted to the Medical Treatment Facility. This “train-the-trainer” course is geared toward the Public Health Decontamination Team Chief, who is subsequently responsible to lead and train augmentees assigned to UTC FFGLB, on use and maintenance of equipment package UTC FFGLA. The Decontamination team chiefs and medical craftsmen assigned to UTC FFGLB will learn through “hands on” training how to work as a team and fulfill their roles in triage, lifesaving NBC casualty care techniques; site selection & set up, facility operations, and site recovery. Methods of instruction include lecture/discussion, and field exercise to include inventory, assembly, operating, and clean up of the medical decontamination facility.

**Prerequisites:** The course is offered to active duty Air Force, Guard and Reserve team chiefs and assistant team chiefs assigned to the UTC FFGLB. Per FFGL Mission Capability statement (MISCAP), the team chief must be either 4N071 (Medical Service Craftsman) or 42G3 (Physician Assistant). The Assistant Team Chief can be any AFSC 4XXX.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## Critical Care Air Transport Team (CCATT)

Course ID: B3OZYCCATT 000

**Course Director Contact Info:**

MASL: D175141

PH. DSN 240-3571 COMM (210) 536-3571

PDS Code: 5RE

FAX. DSN 240-2017 COMM (210) 536-2017

Duration: 12 Days

**Course Description:** The Critical Care Air Transport Team Course is a 12 day course which is designed to prepare AD, ANG or AFRES commissioned officers and enlisted personnel performing duty in AFSC 46XX, 45XX, 44XX, and 4H0X1 and assigned to Critical Care Air Transport Team Unit Type Codes to meet wartime mission of caring for critically ill and injured patients in the aeromedical evacuation environment.

The Office of the Surgeon General, United States Air Force, designates this educational activity for a maximum of 76.0 hours in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

**Prerequisites:** All personnel must present a valid Operational Support Flying physical (or equivalent) on the first day of training. All perspective students must meet the following requirements to enroll:

Physicians: (1) Be current in Advanced Cardiac Life Support (ACLS); (2) Intensivist (meet one of the following criteria) (a) Emergency medicine physician, (b) Anesthesiologist, (c) Fellowship trained Critical Care Medicine (CCM) physician (such as pulmonary-CM and surgery CCM); (3) Non-intensivist (meets one of the following criteria) (a) Credentialed in a special care unit, (b) Work in Level II or higher emergency department, (c) Work in post anesthesia care unit or operating room environment; (4) Advanced Trauma Life Support (ATLS) is highly encouraged, but not required.

Nurses: (1) Be current in Advanced Cardiac Life Support (ACLS); (2) Worked in critical care or special care unit, emergency department, or post anesthesia care unit within 2 years of course start date; (3) Must have worked for a minimum of 1 year in one of the above areas; (4) Trauma Nursing Core Course (TNCC) is highly encouraged, but not required.

Technicians: (1) Attended Advanced Cardiac Life Support (ACLS); (2) Must have 1 year critical care experience; (3) Receive annual training in an intensive care unit; (4) Worked with ventilator patients within 1 year of course start date.

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U.S. AIR FORCE

*School of Aerospace Medicine*

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## **Data Quality Objectives/ Managing Quality Assurance**

Course ID: B3OZY0000E 015

MASL:

PDS Code: 100

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Data Quality Objectives/Managing Quality Assurance (DQO/MQA) refers to the EPA Data Life Cycle used as a project management tool to ensure that the type, quantity, and quality of environmental data used in decision-making are appropriate for the intended application with a stated level of confidence. Although the DQO/MQA process was developed as part of the Superfund remediation effort, the process can be applied to emergency response and industrial hygiene scenarios. This course introduces the student to the DQO/MQA process, reviews requirements for cleanup site activities, identifies project design and implementation management practices for environmental cleanup sites, and identifies procedures to acquire technically and legally defensible data. The student will participate in case studies to solidify the concepts learned in this course. The information learned in this course will allow the student to apply the process to site remediation, emergency response, and industrial hygiene situations. This course is also offered as Mobile Training under course number B4OZY0000E-015.

**Prerequisites:** Active duty (O-1 and higher), (E-5 or higher), and civilian (GS-9 and higher) Bioenvironmental Engineers (43E3X) and Civil Engineers (32E4X) or restoration program managers (RPMs) working in Installation Restoration Program (IRP) site cleanup. It is highly recommended that personnel attending this course have taken a college-level statistics course. Personnel desiring to attend this course should notify their unit-training manager to be entered into the Air Force Training Management System (TMS). Student must bring a scientific calculator. Those not meeting the above prerequisites must apply for a waiver from USAFSAM/EA.



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U.S. AIR FORCE

*School of Aerospace Medicine*

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## Enlisted Human Performance Enhancement

Course ID: B3AZY4M071 HPE

**Course Director Contact Info:**

MASL:

PH. DSN 240-2059 COMM (210) 536-2059

PDS Code: H7E

FAX. DSN 240-3208 COMM (210) 536-3208

Duration: 10 days

**This course is not available to international students.**

**Course Description:** The course is designed to provide 4M071 (PAFSC) Aerospace Physiology (AP) technicians the advanced knowledge and human performance training necessary to be successful human factors experts in the field and prepare personnel to instruct/advise the warfighters, both flyers and non-flyers, on the physiological stresses and human performance implications of modern military aviation, space operations, and worldwide deployment environments. Subjects include human factors and performance issues, situational awareness, organizational performance factors, air base operations, and advanced principles of instruction. Tools are provided to enable AP technicians to partner with AP officers to provide consultation for all wing human performance issues. The course includes direction and focus for human performance training issues, and soliciting/employing appropriate subject matter experts to provide training, at the right time and in the proper forum for maximum effectiveness. The course outlines how AP technicians are to work closely with aerospace medicine, life support, safety, readiness, and other agencies to provide the just-in-time human performance training needed to accomplish the mission. Laboratory sessions train students to: (1) analyze mishap reports and data for trends and contributing human performance errors, (2) develop lesson plans and media using mishap data to support the teaching of advanced course material, and (3) demonstrate the ability to effectively present advanced course material to mission/ground support personnel during practice presentation/briefing sessions. Students are evaluated on their ability to develop and present situational awareness, operational risk management, and ground safety presentations/briefings. Graduates are eligible for Human Performance Training Team assignments.

**Prerequisites:** Must be a graduate of B3ABY4M031-002 and B3ACY4M071-000, and an approved instructor course. Waiver authority is AP Career Field Manager. Must have a 4M071 PAFSC, be qualified (currency demonstrated) to instruct AP subject in accordance with AFI 11-403 (Chapter 5), be medically qualified for worldwide duty, and have a Secret security clearance indicated on their orders. Students must complete the items listed on AF Form 623a prior to attending the course. This form is required before attending the course but not required before obtaining a slot for the course. Any student reporting to the course without a completed AF Form 623a will be sent back to their home station at their unit's expense.

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U.S. AIR FORCE

*School of Aerospace Medicine*

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## Environmental Quality Sampling

Course ID: B3AZY4B0X1 002

MASL:

PDS Code: 1DP

Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Environmental Quality Sampling is a 10-day course designed to provide knowledge and experience in environmental compliance and sampling. The students will gain an understanding of guidance and procedures for hazardous waste sampling, drinking water programs and sampling, surface water sampling, ground water sampling, wastewater sampling, air pollution and emissions inventories, and environmental databases. Sampling procedures, protocols and documentation will be stressed throughout the course.

**Prerequisites:** (A1C - TSgt) with a minimum of 24 months service since graduation from the Bioenvironmental Engineering Apprentice Course, B3ABY4BO31-001, completion of 5-level Career Development Course (CDCs) and other services' equivalents. Civilians actively involved in the Air Force environmental quality-sampling program. Previous enlisted or civilian graduates who have not attended within the past three years and still meet the prerequisites. A waiver will still be required for A1Cs not meeting these prerequisites and for MSgts. Those not meeting these requirements must apply for a waiver through the MAJCOM training manager.



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## **Expeditionary Medical Support Basic Course**

Course ID: B3OZYEMEDS 000

MASL: D175155

PDS Code: EXO

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** This 5 day course is designed to provide field operational training for commissioned officers and enlisted personnel assigned to the EMEDS Unit Type Codes. Students must have knowledge of and be skilled in their AFSC core competencies. This course teaches and evaluates corps specific field situations, as well as offering updates in AFMS concept of operations and doctrine. The course promotes team performance, cohesion, and cross-training/utilization of all deployed team personnel. It also teaches setup/packing out of a field EMEDS compound, deployed operations (wartime and humanitarian), field medical, nursing and operational support equipment proficiency, and field exercises to both emphasize and evaluate learning of concepts taught.



**Prerequisites:** Applicants must be assigned to an EMEDS UTC.





## Flight Nurse

Course ID: B3OLY46F1 000  
MASL: D175017  
PDS Code: WSV  
Duration: 29 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Trains nurses for duty as member of medical crew in aeromedical evacuation units. Includes the principles of aerospace medicine; altitude physiology; specialized techniques necessary for the safe and efficient transportation of patients by air in a peacetime and wartime environment; life support principles, procedures, equipment, and techniques; and survival skills. Provides the knowledge and skills required for the management and nursing care of patients in flight.

**Prerequisites:** Applicants must be active duty Air Force, Army, Navy, Air Force Reserve, or Air National Guard Nurse Corps officers. Active duty officers must be Regular or Conditional Reserve Nurse Corps officers at the time of application. Applicants must be physically qualified for flying Class III or equivalent physical qualifications according to AFI 48-123. Must comply with weight standards according to AFI 40-502, *Air Force Weight Management Program* (formerly AFR 35-11). On initial in-processing, each individual must present written documentation from their sending unit as proof that he or she meets weight standards. Individuals who fail to present proof will be weighed. If an individual subsequently exceeds the weight standard, he or she will then be tape measured to determine body fat percentage. Individuals not meeting body fat percentage standards will immediately be sent home at the expense of their sending unit. SICKLEDEX exam is required for prospective students of identified high-risk ethnic groups due to altitude chamber flights conducted during course under conditions of less than 1 atmosphere. A general review of medical/surgical nursing basics prior to course is highly recommended. Active duty officers must meet time on station requirements of two years for nurses desiring overseas assignments and three years for nurses desiring CONUS assignments. International students must have a minimum of ECL 80 SA. Completion of Commissioned Officer Training (COT) School or Air Force Reserve COT is required prior to attending this course. (Written request for waiver to this policy must be submitted to Chair, Department of Aerospace Education and Training, USAFSAM, NLT 60 days prior to course start date.) International students refer to page 55.







## Flight Nurse (Non-DoD)

Course ID: B3OZY46F1 010  
MASL: D175017  
PDS Code: JRI  
Duration: 4 Weeks

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Prepares international degreed nurses for medical flight crew duties in aeromedical evacuation. Enables graduates to perform the following duties: care of patients evacuated by air and preparation of aircraft to receive patients; direct/assist in patient enplaning/deplaning procedures; use of approved medical equipment for in-flight patient care. Direct/supervise the patient in-flight management in a peacetime and contingency environment, accomplish aeromedical evacuation administrative and operational procedures, and employ survival and life support principles, procedures, equipment, and techniques. The USAFSAM website will provide more guidance to potential international applicants as well as class dates.

**Prerequisites:** Applicants must have sponsorship by the sending nation's military or government. Applicants must be qualified for flying and physically competent to fulfill Aeromedical Evacuation related duties. SICLEDDEX exam is required for perspective students of identified high-risk groups due to altitude chamber flights conducted during course under conditions of less than 1 atmosphere. A general review of medical/surgical nursing basics prior to course is highly recommended. Applicants must have reading, writing and speaking knowledge of the English language, including medical terminology. Achievement of an ECL of 80 or above is required. Oral proficiency of 2/2 or above is highly recommended since the course requires students to perform simulated crew duties where verbal dialogue is applied. Questions about an applicant's background should be discussed in advance with USAFSAM international training personnel who can be reached at (210) 536-2646 or DSN 240-2646.







## Force Health Management Basic

Course ID: B3AZY4E4F 000

MASL:

PDS Code: JXO

Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-2844 COMM (210) 536-2844

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** The purpose of this training is to educate the target audience on recent changes regarding the application of medical standards, force health management philosophy, and to introduce them to the management of newly fielded programs. This course will be held once in FY 03, and then twice a year in FY 04 and beyond.

**Prerequisites:** For active duty members, the target audience is 4E051's with at least 6 months experience working with AFI 48-123 in applying medical standards. For the ARC, SrA or above in any medical AFSC with at least 6 months experience working with AFI 48-123 applying medical standards will be authorized to attend.





## Global Medicine

Course ID: B3OZY48X0 000  
MASL: D175076  
PDS Code: WS4  
Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** A post-graduate (i.e., medical degree) tri-service, Continuing Medical Education program designed to train physicians in deployable UTC's how to identify, plan for, and treat those infectious diseases and environmental conditions of medical and military significance found worldwide. The course emphasizes the need for the physician to be able to successfully design and implement an operational medical plan that minimizes the health risk of the endemic natural biologic hazards to a deploying or deployed force. To achieve this objective, lectures on infectious disease, medical intelligence sources, deployment preparation, and surveillance/epidemiology are presented along with case studies/scenarios. Interactive laboratories on malaria and parasite diagnosis, computer access to med intel sources, and field epidemiology are also conducted. Completing a practical deployment preparation project and passing a written examination and required for successful course completion.

**Prerequisites:** Physicians, preferably those assigned to operational billets (i.e. those with mobility assignments and all 48XX's) from any branch of service. Medical officers are selected by their AF MAJCOM or respective Service representative. Officers from other corps (Public Health officers, Physician Assistants, Nurses) may attend if all physician quotas have not been utilized... these applicants must be approved by the course director and acceptance will be based on space and level of applicant knowledge/experience.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## **Hazardous Waste Operations & Emergency Response (HAZWOPER) 40 Hour Course**

Course ID: B3OZY0000E 001

MASL:

PDS Code: W1S

Duration: 5 Days

### **Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Provides 40 hours of initial training required by the Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120 to individuals involved in hazardous waste operations, site restoration, or environmental management duties. This training is usually required for access to DoD installation restoration sites and is mandatory for workers involved in tasks at sites on the EPA National Priorities List (NPL). This course does not qualify individuals as level III hazardous materials technicians or level IV hazardous materials specialists as defined by AFI 32-4001, Disaster Preparedness Planning and Operations-, Atch 6. The course is open to all DoD enlisted, officer, and civilian personnel working in hazardous waste operations, site restoration, and site investigations including sampling or environmental management duties. This course has received EPA approval to be taught by USAFSAM as EPA Course 165.5, Hazardous Material Incident Response Operations. Course attendees will receive an EPA graduation certificate upon completing the course.

**Prerequisites:** Enlisted, officers, and civilian personnel working in hazardous waste operations, site restoration, site investigations including sampling, or environmental management duties. In accordance with 29 CFR 1910.134, all course attendees must provide written proof from their employer that they have received a positive medical evaluation/certification by a licensed health care professional that indicates that they can wear respiratory protection equipment.



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## Hazardous Waste Operations & Emergency Response (HAZWOPER) 8 Hour Course

Course ID: B3OZY0000E 002

MASL:

PDS Code: W1T

Duration: 1 Day

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Provides refresher training required by the Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120 to individuals involved in hazardous waste operations, site restoration, or environmental management duties. The course must be repeated annually for the individual to maintain HAZWOPER certification. Uniform for this class is BDUs for military, equivalent utility clothes for civilians. Funded quotas (per diem) for this course may be available if this class is taken in conjunction with an additional USAFSAM course. Coordination of a funded quota must be made in advance through the MAJCOM and USAFSAM/TA.

**Prerequisites:** Enlisted, officers, and civilian personnel working in hazardous waste operations, site restoration, site investigations including sampling, or environmental management duties, who have attended a 40-hour HAZWOPER basic course are eligible to attend.

This course is also offered as mobile training with Course No. B4OZY0000E 002. To specify your requirement, contact the USAF School of Aerospace Medicine, Department of Aerospace Education and Training.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## Health Promotion

Course ID: B3OZYHPRO 000

MASL:

PDS Code: AEO

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** This course will provide personnel with basic information to help them conduct/manage a health promotion program with a population health focus. Training will include an introduction to Health and Wellness Centers and their direction for the future; population health principles, roles, and responsibilities; population facts regarding fitness, fatness, alcohol, injuries and sexually transmitted diseases and effective prevention programs; process planning to include assessment, planning, implementation, and evaluation; major AF Health Promotion programs including Weight and Body Fat Measurement, fitness, and tobacco cessation, appointment processing; marketing skills; documentation; and office administration. There will be 2 breakout times where the fitness program managers will perform practical tests and be certified on body fat measurement (taping personnel) and cycle ergometry.

**Prerequisites:** None.

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## Human Performance Enhancement

Course ID: B3OZY43A3 001

MASL: D175131

PDS Code: 1Z9

Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**This course is not available to international students.**

**Course Description:** Designed to build on the skills and training developed in the Aerospace Physiologist or Aerospace Medicine Primary Course and help prepare individuals for Human Performance Training Team assignments. Course curriculum includes: a review of human factors, human performance issues, situational awareness, cognitive workload, and human performance enhancement in flight and ground operations. Laboratory sessions train the student to (1) analyze the relationship between human performance and mishap reports, (2) use mishap data to support the teaching of advanced human performance material, and (3) demonstrate the ability to effectively present advanced course material to war-fighters during practice briefing sessions. Aerospace physiology officers successfully completing this course are eligible for upgrade to 43A3.



**Prerequisites:** Must be a graduate of the Aerospace Physiologist Course (B3OZY43A1-000) or the Aerospace Medicine Primary Course (B3OBY48G1-000). Rated physiologists (M11XXX and M12XXX) will attend this course immediately following the Aerospace Physiologist Course if serving in an API-5 slot. BSC physiologists (43A1) must have a minimum of one-year experience in an APTF to attend. Aerospace Physiologists who have not had an assignment to an APTF as an instructor during the previous 36 months will be scheduled following one year at an APTF. Candidates must have participated in an aircrew mission briefing, pre-flight and post-flight briefing; performed at least one presentation at a Wing/Squadron safety meeting; briefed in an Instrument Refresher Course, and demonstrated satisfactory flight line involvement through actual or simulator flights. Candidates need to have an understanding/familiarization of the following organizations: maintenance, weather, ATC, Tactics, Weapons, Security Forces, and other Operational Support areas. APTF commanders must provide documentation that all above items have been successfully completed. Candidates failing to provide documentation of prerequisite fulfillment upon arrival will be disenrolled and returned to

home unit. The Associate Dean (Aerospace Physiology), USAF School of Aerospace Medicine, has prerequisite waiver authority. International students are not authorized to attend this course.





## Hyperbaric Training

Course ID: B3OZY4HPT 000

MASL:

PDS Code: AYI

Duration: 2 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Prepares personnel to perform duties as a medical officer or medical specialist in a DoD hyperbaric chamber. Course is an introduction to: Hyperbaric physiology, hyperbaric medicine, and hyperbaric chamber operations, duties in each of the hyperbaric chamber positions and systems, use of decompression schedules, treatment tables, emergency procedures, theory of hyperbaric oxygenation, and hazards and safety precautions involved with hyperbaric chamber operations.

**Prerequisites:** Officers with AFSC 42XX, 44XX, 45XX, 46XX, 47XX, 48XX, 4MO, 4NO, 4FO, as well as ARMY or NAVY equivalent specialties, assigned as or scheduled to become hyperbaric chamber team members or medical supplemental team members. All students must be medically qualified for hyperbaric chamber duty IAW AFI 48-123.







## **International Aeromedical Evacuation & Critical Care Air Transport Team Course**

Course ID: B4OZYAEROV 000    **Course Director Contact Info:**  
MASL:                                      PH. DSN 240-2269    COMM (210) 536-2269  
PDS Code: IO4                              FAX. DSN 240-5920    COMM (210) 536-5920  
Duration: 5 Days

**Course Description:** The course is designed to assist the host nations' ability to manage the threat of natural or manmade disaster by reviewing the processes and skills necessary to utilize critical aeromedical evacuation resources available within the country. This program provides didactic information, practical experiences, and review of actual mission scenarios related to aeromedical evacuation and transport of the critically ill. The course begins with a review of management of such critical care issues as airway maintenance, trauma, shock, neurological injury, blast injury, and burns. Special considerations are also addressed including pregnancy, pediatrics, geriatrics, gastrointestinal hemorrhage, pulmonary embolism, and aortic dissection. Skills lab opportunities are provided to allow participants to practice airway management, trauma assessment, and use of various transport equipment such as ventilators, monitoring systems, blood analysis systems and infusion systems. The course also gives an overview on the aeromedical evaluation system and patient considerations. It provides key essentials to initiate the patient in the aeromedical evacuation system and prepares each medical person with flight and equipment knowledge for appropriate patient care in the air. Subjects include: atmospheric conditions, hypoxia, effects of pressure change, stresses of flight, aircraft escape and crash survival, oxygen equipment and aircraft pressurization. It includes proper patient loading and safety. C-130 orientation and walk-around is included with a checklist of items to consider for patient care and loading that the host country could adapt to their own aircraft. The capability to adapt the lecture material and type of aircraft used for the exercise can be modified, depending on the host countries' resources and aircraft type. There is a hands-on opportunity that included patient loading, patient mission scenarios and equipment familiarization. Information from concepts presented through lectures is summarized in a review of actual aeromedical scenarios including the evacuation of casualties after the bombing of the USS Cole on October 12, 2000. The course culminates in a simulated patient mission exercise with participants having the opportunity to practice concepts and utilize equipment taught throughout the course.



**Prerequisites:** None.







## Medical Survival Evasion Rescue And Escape (SERE) Training

Course ID: B3AZYBLMD 000

MASL:

PDS Code: SIM

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

Security Level: SECRET

**This course is not available to International students.**

**Course Description:** Designed for Air Force, USAFR, and ANG medical personnel for flying duty, or for those currently on flight status, in order to meet survival training requirements according to AFI 36-2209, Survival and Code of Conduct Training (formerly AFR 50-3). This course trains medical personnel in the employment of principles, procedures, techniques, and equipment, regardless of climatic conditions or hostile environments, which will permit them to survive and care for their patients and passengers, and to assist in their safe recovery. Additionally, this course is designed to train selected Air Force personnel in their rights and responsibilities, guidelines for behavior, and procedures for returning from captivity with honor. A secret security clearance is mandatory for attendance. Additional information can be found at the USAFSAM/SERE website <http://wwwsam.brooks.af.mil/web/sere/index.htm>. Graduates of this course will receive credit for Level B wartime and peacetime Code of Conduct Training.

**Prerequisites:** Prerequisites: A definite need for such training should be clearly indicated by the trainee's present or projected duty of assignment. Individuals undergoing medical treatment or those with chronic physical conditions, or other physical limitations will not be selected. (Students will travel in hilly terrain up to 3 miles per day with 25 lbs of equipment during field training. It is highly encouraged to participate in an active physical conditioning program prior to course attendance.) Those who have satisfied the requirements of AFI 36-2209 (formerly AFR 50-3) are not required to attend. Personnel who have completed B3AZY4NOX1-000, Aeromedical Evacuation Technician, B3AZY4NOX1-001, Medical Survival Training, B3OLY46F1, Flight Nurse, or B3OBY4861-000, Aerospace Medicine Primary prior to 1 Oct 98 are eligible to attend.





## Military Audiology Short Course

Course ID: B3OZY42N3A 000

MASL:

PDS Code: 8UN

Duration: 4 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Provides audiologists and communication disorder specialists with state-of-the-art knowledge pertaining to the theories and techniques of clinical audiology and the USAF Hearing Conservation Program. Course material contains current information concerning the progress and changes in the audiology career field, the Office of Workmen's Compensation, and the Biomedical Science Corps. Course content includes topics addressing workers compensation, quality assurance, site of lesion testing, hearing aid evaluations, hearing conservation data registry, audiology clinic and hearing conservation program management, and Council for Accreditation for Occupational Hearing Conservation (CAOHC) certifications with special emphasis on mobility readiness roles.



**Prerequisites:** Limited to 2d Lt through Col and GS-9 or higher. Personnel should be assigned as a provider of hearing or speech services, hearing or speech scientists (including research duty), or possess a similar specialty or duty assignment within DoD or other governmental agency.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## Military Tropical Medicine 1

Course ID: B5OZYMTM 001

MASL:

PDS Code: 226

Duration: 20 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** The new Military Tropical Medical Course has resulted from a consolidation of the Walter Reed Army Institute of Research's (WRAIR) Tropical Medicine and the Navy's Medicine in the Tropics courses. The course maintains the long history of the WRAIR course's top-notch lecturers and combines them with the Navy course's laboratory and field trips for practical experience (MTM 2). The course will accommodate 70 medical officers (30 Army, 30 Navy, and 10 Air Force) and will be run by NSHS Bethesda at USUHS in Bethesda MD. The didactic and laboratory course is 4 weeks long and is scheduled each summer. The didactic portion of the class covers a broad range of topics in infectious diseases and tropical medicine. The labs are equally comprehensive, including everything from intestinal protozoa and helminthes to malaria. Whenever possible, live specimens are used and hands-on training is emphasized. Periodic testing will be done throughout the course for all participants. There is also a comprehensive lab practical and written exam at the end of the course.

The Military Tropical Medicine course is a tri-service course open to physicians and veterinarians from each Service. Priority in selection of AF candidates will be given to those for whom the course is an integral part of training (Infectious Disease Fellows and General Preventive Medicine residents). All others will be evaluated on a case-by-case basis with emphasis on primary care positions.

**Prerequisites:** None.

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U.S. AIR FORCE

*School of Aerospace Medicine*

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## Military Tropical Medicine 2

Course ID: B5OZYMTM 002

MASL:

PDS Code: 228

Duration: 12 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Approximately three Air Force participants from MTM 1 can apply to go on an additional 2-week field mission. The Naval School of Health Sciences (NSHS) MTM course director will divide groups to go to the various field sites such as Dominican Republic, Guyana, and Belize. Each mission includes about 1 week of seeing patients on various services in hospitals to gain exposure to health care systems in the developing world, followed by 1 week of field medicine during which the team will set up a series of 1-day clinics in remote, medically underserved regions. For Infectious Disease Fellows, an option exists to attend one of the Navy or Army overseas labs for 2 to 4 weeks after the didactic course. Currently, a rotation at the Navy Medical Research Unit - Three (NAMRU-3) in Cairo, Egypt, has been developed. The rotation would include unique opportunities to evaluate patients at the affiliated hospitals. The spectrum of infectious disease ranges from echinococcal infection and schistosomiasis to extra-pulmonary TB and bacterial meningitides. Collaboration in research projects is also possible and other overseas labs may be used if an area of special interest is identified. The MTM courses are open to physicians and veterinarians from each Service. Priority in selection will be given to those for whom the course is an integral part of training (Infectious disease Fellows and General Preventive Medicine residents). All others will be evaluated on a case-by-case basis with emphasis on primary care positions.

**Prerequisites:** B5OZYMTM, Military Tropical Medicine 1 (MTM1).

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U.S. AIR FORCE

*School of Aerospace Medicine*

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## Occupational Medicine

Course ID: B3OZY48X0 002

MASL: D175158

PDS Code: 510

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Intended for flight surgeons, family practice physicians, or primary care physicians who are assigned or projected to be assigned to oversee the occupational medicine program at a base level facility. Provides physicians overseeing occupational medicine programs with additional training in occupational medicine, Air Force occupational medicine programs, and risk communication.

**Prerequisites:** Must be a physician (MD or DO) or physician assistant.

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## Operational Entomology

Course ID: B4OZY43M3 000

MASL: D175138

PDS Code: 824

Duration: 10 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Builds individual capabilities to perform surveillance and control for disease vectors that significantly impact military missions during war or operations other than war. Emphasis is placed on preventing vector-borne disease morbidity and mortality. Instruction includes vector biology, vector-borne disease, surveillance techniques, risk assessment, and control strategies. Operational Entomology provides academic instruction, practical exercises, and field experience. Additional details can be obtained from the USAFSAM/PH web page at URL <http://wwwsam.brooks.af.mil/web/eh/html/bugs.htm>

**Prerequisites:** Students must fully qualify for worldwide deployment and have no medical condition limiting full participation in the field portion of the course. Active Duty (AD), ANG, and AFRC personnel with AFSCs of 4E0X1, 4FOX1/4NOX (SEI 496), 3E4X3, 43H3, 43M3, 48A3, 48P3, or their DoD equivalents and other personnel with consent of the faculty. Priority is given to active duty personnel assigned to mobility positions or from installations with a high risk of vector-borne disease. Enlisted personnel must be E-4 or higher. Officers must be fully qualified in their AFSC and have a minimum of one year of service. ECL 80 SA.







## Public Health Apprentice

Course ID: B3ABY4E031 002

MASL: D175107

PDS Code: 9LL

Duration: 71 Days

**Course Director Contact Info:**

PH. DSN 240-3665 COMM (210) 536-3665

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Provides knowledge and basic skills to perform entry-level duties as a public health apprentice. Training includes administrative procedures, principles of instruction, effective communication, chemistry, microbiology, human anatomy and physiology, food technology, food safety and inspection procedures, food and public facility sanitation, epidemiology and communicable disease control, occupational health programs, toxicology, radiation, hearing conservation, fetal protection, occupational health education, medical standards, industrial operations and principles, computer applications, preventive medicine, medical entomology, and medical readiness training.

**Prerequisites:** See AFMAN 36-2108 (formerly AFR 39-1). ECL 80 SA.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## **Public Health Aspects of USAF Occupational Health for Audiologists**

Course ID: B3OZYAUD 000

MASL:

PDS Code: DLI

Duration: 14 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** This course trains audiologists in toxicology; industrial operations; personal protective equipment; hearing conservation; respiratory protection; ergonomics; occupational illness and injury investigation; worker's compensation; fetal protection; radiation principles and programs; occupational examination requirements; trend analysis; occupational education programs; environmental programs; including health risk assessment risk communication scenarios.

**Prerequisites:** Active duty audiologists performing duty in the 42NXA career field. Students must hold certification through the American Speech Language Hearing Association and be nominated for the course by the Associate BSC Chief for Audiology.

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*Team Aerospace Begins Here*







## Public Health Journeyman

Course ID: B3AZY4E051 001

MASL:

PDS Code: P4J

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Expands the technical skills of AFSC 4E031, public health apprentice, and personnel in performing base level duties. Education and training includes epidemiological concepts, introduction, and familiarization with the Air Force-adapted Food and Drug Administration food code, occupational health principles and programs, management principles, trend analysis, and Aerospace Information Management System (ASIMS) applications.

**Prerequisites:** SrA and below with AFSC 4E031 or 4E051 who have successfully completed the AFSC 4E051 career development course (CDC) or have been in upgrade training for 18 months. Personnel who have held an AFSC of 4E051 longer than 6 months are not eligible to attend. The above also applies to retrained personnel with the exception of the grade requirement. Civilians are also eligible to attend if they meet the above requirements; that is, have attended 4E031 or successfully completed the 4E051 CDCs.





## Public Health Officer

Course ID: B3OBY43H1 016

MASL: D175121

PDS Code: IPK

Duration: 69 Days

**Course Director Contact Info:**

PH. DSN 240-2844 COMM (210) 536-2844

FAX. DSN 240-2017 COMM (210) 536-2017

**Description:** Prepares public health officers to manage public health programs in support of the USAF Aerospace Medicine Program. Includes basic skills in written and oral communication, epidemiology, biostatistics, computer operation; toxicology, industrial operations, radiation principles, ergonomics; occupational health maintenance, personal protective equipment; hearing conservation; occupational illness identification, investigation, and management; trend analysis; worker compensation; occupational health education; federal environmental policy; health risk assessment and communication; identification, procurement, sampling, storage procedures, and quality control of subsistence; military quarantine and inspection procedures; food-serving facility and public facility inspections and evaluations; modes of transmission, surveillance, and methods of prevention, treatment, and etiology of communicable disease; disease vector surveillance, identification and control; attending service visits; administrative skills; principles and procedures in office management and administration; medical intelligence; field sanitation and hygiene; medical readiness training; and officer and enlisted career management root source approval and food vulnerability assessment.

**Prerequisites:** Officers with AFSC 43H1 who are entering the public health career field. ECL 80 SA. Completion of Commissioned Officer Training (COT) School or Air Force Reserve COT is required prior to attending this course. (Written request for waiver to this policy must be submitted to Chair, Department of Aerospace Education and Training, USAFSAM, NLT 60 days prior to course start date.). International students with approval from USAFSAM/EA and ECL 80 SA.





## Public Health Officer Advanced Course

Course ID: B3OZY43H3 002

MASL:

PDS Code: 829

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Furthers public health officers' knowledge of current issues and management concepts in various public health programs. Topics may include food safety, communicable diseases, preventive medicine, clinical occupational health, occupational health education, epidemiology, medical readiness, medical entomology, computer applications, MAJCOM/HSI visits, and career planning and office management.

**Prerequisites:** All participants must have completed initial Public Health Officer (PHO) AFSC awarding course (i.e., USAFSAM PHO course). Attendees should be 1<sup>st</sup> Lt through Major with AFSC 43H1/43H3. Course is targeted at individuals who have worked as an AF Public Health Officer for 12 to 36 months. Individuals who desire to enroll, but fall outside the targeted work experience range (e.g., many ANG PHOs), may be enrolled with course director approval.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## Public Health Skills Bridge Course

Course ID: B3AZYPHSB 000

MASL:

PDS Code: XPG

Duration: 15 Days

**Course Director Contact Info:**

PH. DSN 240-3665 COMM (210) 536-3665

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** The course governed by this standard is designed to provide training for active duty Air Force. Education and Training includes the following: epidemiological concepts, emerging communicable disease information and surveillance, population health, updates on the latest food safety and sanitation issues, food-borne disease illness investigation tools, risk communication, occupational health principles and program management, and updates on latest medical intelligence, and entomology issues.

**Prerequisites:** Targeted at active duty 4F051 and 4F071s transferring to the Public Health career field in the rank of SSgt to MSgt. SrA can apply for waivers by their MAJCOMs through their training managers.

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U.S. AIR FORCE

*School of Aerospace Medicine*

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## Radiation Safety Officer

Course ID: B6RSOM

MASL:

PDS Code: XRY

Duration: DL

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Students will enroll in this distance learning CD-ROM course through their Base Education and Training Offices. This course is designated as an ECI specialized Course. This course provides knowledge and skills for DoD officers, civilians and enlisted personnel who have been designated as the Radiation Protection/Safety Officer or are actively involved in the base radiological health program. The education and training program includes the basics of health physics and in-depth practical advice on developing and maintaining a radiation protection program. Training includes basic health physics, external and internal dosimetry, radiation instrumentation, transportation, permits, general licensed material, and the radiation protection program. The student will be evaluated by written examination. Students will take this exam at their local education office upon completion of the course. The student will have one year from the date of enrollment to complete this course. Passing grade is 70%. If the student fails the exam, a retest exam is automatically sent to their education center. The student must take the retest within one year after enrollment. If the student fails the retest, they must wait 6 months from the date of failure to enroll again. (See Quota Control Section below for specific information on enrollment procedures.)

**Prerequisites:** This course is open to active duty Air Force, Air National Guard, Air Force Reserve Command or DoD professionals involved in radiation safety programs. Enlisted students must at least have their 5-skill level prior to enrolling in the course (see Distance Learning instructions).

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## Residency in Aerospace Medicine

Course ID: B5OAY48A4  
MASL:  
PDS Code: WT6  
Duration: 3 Years

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Provides advanced training in aerospace, occupational medicine, and general preventive medicine leading to eligibility for certification by the American Board of Preventive Medicine in aerospace medicine plus either occupational medicine or general preventive medicine. Prepare selected flight surgeons to accomplish all aspects of operational medicine support to include the practice of aerospace and general preventive medicine to be authorities in the fields of aerospace, occupational, and general preventive medicine, and to be board certified by the American Board of Preventive Medicine (ABPM) in those fields. Residents who are Doctors of Osteopathy (DO) and have not met ABPM clinical year requirements for board eligibility are expected to challenge the corresponding board examinations offered by the American Osteopathic Board of Preventive Medicine (AOBPM).



**Prerequisites:** In addition to requirements specified in paragraph 5.2 (see procedures in ETCA at <https://etca.Randolph.af.mil>), applicants must have the following prerequisites:

- Satisfactory completion of B3OBY48G1-000, Aerospace Medicine, Primary.
- 24 months professional work experience in operational aerospace medicine by course start date.
- Physically qualified for unrestricted Flying Class II.
- No more than 35 years of age as of class start date. Authority for waiver of this prerequisite rests with the Surgeon General, USAF.
- Meet appropriate civilian university graduate school requirements.
- Successfully completed a year of supervised postgraduate clinical training provided as part of an ACGME accredited residency or internship program and comprising experience involving direct patient care. Individuals who do not meet these clinical year requirements, but instead have met American Osteopathic Association (AOA) clinical requirements, may apply with the understanding that they will only be eligible for AOBPM specialty certification.
- Hold an unrestricted and currently valid license to practice medicine in a state, territory, commonwealth, or possession of the United States or in a province of Canada.





## TAOS Aeromedical Officer Course

Course ID: B3OZY48G3-004

MASL: D175153

PDS Code: TIG

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-3665 COMM (210) 536-3665

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** This course is part of the Team Aerospace Operational Solutions annual meeting. Topical in nature, the course begins with plenary sessions hosted by the Team Aerospace Council. Break out sessions follow later in the week, in which subjects specific to aeromedical officers are addressed. Themes covered in both plenary and break out sessions include medical support of current operations, readiness issues, population health, aerospace medicine programs, and primary care optimization.







## TAOS Aerospace Physiology Officer Course

Course ID: B3OZY43A3 004  
MASL: D175154  
PDS Code: TID  
Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-3665 COMM (210) 536-3665  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** This course is part of the annual offering of the Team Aerospace Operational Solutions (TAOS) event, in which all facets of Team Aerospace career fields are presented with an emphasis on readiness and sustainment training. On the first day, an Air Force flag officer sets the operational tone and helps present the Annual Team Aerospace Award. The first day plenary sessions form the foundation and set the tenor for the rest of the week. The Team Aerospace Council (TAC) takes this opportunity to launch fundamental concepts about the TAC mission, operational strategy and business plan. The readiness focus is on PAM, EMEDS and other UTCs in support of the EAF. Tools for effective information management are reviewed for application later in the week in USAFSAM computer labs. Population health and the "Hub & Spoke" concept for AFIERA operations are also presented.

For AP Officers: The purpose of this week's instruction is to provide education and training for aerospace physiology officers and technicians assigned to duties at USAF and other DoD Physiology Training Facilities. This course provides advanced knowledge in the area of human performance to allow physiological training personnel to be further qualified to perform all aspects of classroom instruction and human performance consultation. Course instruction includes presentation of issues and research concerning aviation and/or space human performance, organizational performance factors, advanced systems physiology, and career field direction. The target audience for this course is captains and majors.

## TAOS Aerospace Physiology Supervisor Course

Course ID: B3AZY4M0X1 001  
MASL:  
PDS Code: TOG  
Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-3665 COMM (210) 536-3665  
FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** Same as above. The target audience for this course is staff through master sergeants.





## **TAOS Bioenvironmental Engineering Officer Course**

Course ID: B3OZY43E3 004  
MASL:  
PDS Code: TIE  
Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** This course is part of the annual offering of the Team Aerospace Operational Solutions (TAOS) event, in which all facets of Team Aerospace career fields are presented with an emphasis on readiness and update/operational training. On the first day, an Air Force flag officer sets the operational tone and helps present the Annual Team Aerospace Award. The first day plenary sessions from the foundation and set the tenor for the rest of the week. The Team Aerospace Council (TAC) takes this opportunity to launch fundamental concepts about the TAC mission, operational strategy and business plan. The target audience for this course is captains and majors.

## **TAOS Bioenvironmental Engineering Supervisor Course**

Course ID: B3AZY4B0X1 018  
MASL:  
PDS Code: TOD  
Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059  
FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Sam as above.

For BEE Supervisors: The Tuesday BEE specialty breakout expands on the concepts presented in the plenary sessions with presentations on the BEE strategic direction, business practices, enlisted expectations, mentorship, and MAJCOM BEE expectations. Wednesday and Thursday sessions cover the BEE "Smart Book" for current issues like JP-8, lasers, "Hub & Spoke" ESOHCAMP, Command Core System (CCS), and the new Team Aerospace Council financial requirements tracking system, TAFR. Students also receive hands-on training for the CCS industrial hygiene and system administrator modules and the TAFR program. The target audience for this course is staff through master sergeants.





## TAOS Flight Surgeons Course

Course ID: B3OZY48G3 004

MASL: D175153

PDS Code: TIG

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-3571 COMM (210) 536-3571

FAX. DSN 240-2017 COMM (210) 536-2017

**Course Description:** This course is part of the Team Aerospace Operational Solutions annual meeting. Topical in nature, the course begins with plenary sessions hosted by the Team Aerospace Council. Break out sessions follow later in the week, in which subject specific to aeromedical officers are addressed. Themes covered in both plenary and break out sessions include medical support of current operations, readiness issues, population health, aerospace medicine programs, and primary care optimization.

## TAOS Health Physics Course

Course ID: B3OZY43Y3 001

MASL:

PDS Code: TIH

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Description:** This course is part of the annual offering of the Team Aerospace Operational Solutions (TAOS) event, in which all facets of Team Aerospace career fields are presented with emphasis on readiness and operational training. The first day is dedicated to Team Aerospace Council issues. The second breakout day is dedicated to Health/Medical Physics specific issues including MAJCOM updates, career field progression, UTC updates, business practices, and mentorship as well as training in a broad range of topics possibly including, contingency operations, lasers, decommissioning, transportation, waste, radio frequency, radiation safety, formal training and teleradiology and PAC system integration. Class size could range from 20 (Health Physicists only) to 80 (to include BEEs). The target audience for this course is captains and majors.





## TAOS Public Health Officer Course

Course ID: B3OZY43H3-004

MASL:

PDS Code: TIF

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** This course is part of the annual offering of the Team Aerospace Operational Solutions (TAOS) event, in which all facets of Team Aerospace career fields are presented with emphasis on readiness and current operational training. On the first day, an Air Force flag officer sets the operational tone and helps present the annual Team Aerospace Award. The first day plenary sessions form the foundation and set the tone for the rest of the week. The Team Aerospace Council (TAC) takes this opportunity to launch fundamental concepts about the TAC mission, operational strategy, and business plan. The readiness focus is on PAM, EMEDS, and other UTCs in support of the EAF. **For PH Officers:** There will be breakout sessions featuring topics in epidemiology, readiness, food safety, and force health management. The target audience for this course is base level PHO's.

## TAOS Public Health Supervisor Course

Course ID: B3AZY4E0X1 001

MASL:

PDS Code: TOE

Duration: 5 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** This course is part of the annual offering of the Team Aerospace Operational Solutions (TAOS) event, in which all facets of Team Aerospace career fields are presented with an emphasis on readiness and operational training. This course will focus on all Public Health areas with an emphasis on operational activities and responsibilities. The target for this audience is staff through master sergeants.





## Team Aerospace Funding Workshop

Course ID: B3OZY0000E 010

MASL:

PDS Code: 1ZY

Duration: 4 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** This workshop provides training to Team Aerospace personnel in projecting funding requirements. Team Aerospace personnel include those in bioenvironmental engineering, public health, flight medicine, aerospace physiology, and aeromedical evacuation nursing career fields. This training includes the Defense Health Program (DHP), environmental programs (A-106), and the Mission Support Plan (MSP). The workshop will provide students with an understanding of the budget process, information on how to establish accounts at base level, and information on how to properly execute a budget (commit, obligate and track funds).

**Prerequisites:** Team Aerospace personnel (MSgt through CMSgt) with respective AFSCs of 4B0X, 4E0X, 4N0X, 4M0X and 2Lt through Colonel with respective AFSCs of 43E, 43H, 48G, 46F, 43A, and civilian equivalent.





U.S. AIR FORCE

*School of Aerospace Medicine*

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## USAF Dental Infection Control and Occupational Health Course

Course ID: B3OZY47X0 001  
MASL: D175135  
PDS Code: XF8  
Duration: 1 Week

**Course Director Contact Info:**

PH. DSN 792-7676 COMM (847) 688-7676  
FAX. DSN 792-7667 COMM (847) 688-7667

**Course Description:** Provides the latest information on the implementation and management of effective infection control and occupational health programs in federal services dental clinics. Provides updated information on infectious diseases and occupational risks associated with dentistry. A combination of lectures, discussion groups, and hands-on training will be used to accomplish course objectives. Students will be asked to share information on the programs in effect at their individual installations. In addition, new avenues of infection control as related to dentistry and medicine are explored with an emphasis on the development of active and comprehensive dental infection control and occupational health programs at the base level.

**Prerequisites:** Command-sponsored attendance is limited to active duty dental officers of the US Air Force with at least 1 year of service remaining after completion. Must not have attended the course in the last 3 years. Dentists and registered dental hygienists employed by all the federal services are eligible to attend, using local funds. Federal Services dental officers may also attend the course on permissive TDY. Attendance by enlisted personnel serving as infection control or occupational health NCOICs will be approved on a case-by-case basis.

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## USAF Ergonomics

Course ID: B6ERPM/B6ERBM

**Course Director Contact Info:**

MASL:

PH. DSN 240-2059 COMM (210) 536-2059

PDS Code: EOR

FAX. DSN 240-3208 COMM (210) 536-3208

Duration: 40 Hours

**Course Description:** The course material covers the equivalent of 40-hours of in-residence training through distance learning. The student will have one year to complete this course. This course provides knowledge and skills for Air Force personnel involved in ergonomic programs and issues. There are two tracks for this course; one is for public health personnel and the other for bioenvironmental personnel. Also, there are cores of modules that apply to both career fields. The education and training program includes information on basic work-related musculo-skeletal disorders (WMSDs), health effects of WMSDs, methods of evaluation, discussion of available standards and criteria, control principles and methods, workstation and tool design, field ergonomic surveys, methods of active and passive surveillance, developing ergonomic education and training for workers and supervisors, developing, implementing, and improving ergonomic programs at base level, and medical management of WMSDs. Students will enroll in this distance learning CD-ROM course through their Base Education and Training Offices. This course is designated as an ECI specialized course. See Quota Control Section below for specific information and enrollment procedures.

**Prerequisites:** None. See Distance Learning instructions.

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## USAF Hearing Conservation Certification

Course ID: B3AZY4F0X1 001

MASL:

PDS Code: 92E

Duration: 3 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** Initial training and certification for personnel in areas of physical acoustics, potentially hazardous noise assessment, audiometry, use of hearing conservation forms, conducting the USAF Hearing Conservation Program, and the disposition of personnel exposed to noise. A practical examination is given to ensure proficiency in audiometric techniques. Graduates will be certified as "USAF Hearing Conservationists" as identified in the Council for Accreditation in Occupational Hearing Conservation (CAOHC) guidelines.

**Prerequisites:** Military or civilian personnel who perform audiometric testing in direct support of the USAF Hearing Conservation Program. Other personnel may attend with prior approval of USAFSAM/EA.

## USAF Hearing Conservation Recertification

Course ID: B3AZY4F0X1 002

MASL:

PDS Code: XQN

Duration: 2 Days

**Course Director Contact Info:**

PH. DSN 240-2059 COMM (210) 536-2059

FAX. DSN 240-3208 COMM (210) 536-3208

**Course Description:** A recertification course that trains personnel in areas of the role of occupational hearing conservation, publications relating to noise and hearing loss, the audiometer and test environment, audiometric techniques, audiogram review, referral and employee follow up, personnel hearing protection, employee education and motivation, record keeping, and conducting the USAF Hearing Conservation Program. A practical examination is given to ensure proficiency in audiometric techniques. Graduates will be recertified as USAF hearing conservationists for 5 years as identified in the Council for Accreditation in Occupational Hearing Conservation (CAOHC) guidelines.

**Prerequisites:** Must have attended the USAF Hearing Conservationist Course (B3AZY4F0X1 001 or B3AZY901X1 001) or the Aeromedical Apprentice Course (B3ABY4F031 000 or B3ABY90130 000) or this course within 5 years and 6 months of the course start date of this course. Must also be military or civilian personnel who perform audiometric testing in direct support of the USAF Hearing Conservation Program. Other personnel may attend with prior approval of USAFSAM/EA and USAFSAM/AT.

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*Team Aerospace Begins Here*





# Appendix A



## Acronyms

### A

AAMIMO	Advanced Aerospace Medicine for International Medical Officers
ABPM	American Board of Preventative Medicine
ACGME	Accreditation Council for Graduate Medical Education
ACLS	Advanced Cardiac Life Support
AD	Active Duty
AFB	Air Force Base
AFI	Air Force Installation
AFMAN	Air Force Manual
AFMS	Air Force Medical Service
AFRES	Air Force Reserves
AFSAT	Air Force Security Assistance Training Group
AFSC	Air Force Specialty Code
AMC	Air Mobility Command
AMIP	Aircraft Mishap Investigation & Prevention
AMP	Aerospace Medicine Primary
AMSO	Aerospace Medicine in Space Operations
ANG	Air National Guard
AOA	American Osteopathic Association
AP	Aerospace Physiology
APTF	Aerospace Physiology Training Flight
ASDT	Advanced Spatial Disorientation Trainer
ATC	Air Traffic Control

### B

BEE	Bioenvironmental Engineering
BNBC	Bioenvironmental Nuclear, Biological, & Chemical Operations
BSC	Bioenvironmental Sciences Corps

### C

CAOHC	Council for Accreditation for Occupational Hearing Conservation
CCATT	Critical Care Air Transport Team
CCM	Critical Care Medicine
CCS	Command Core System
CDC	Center for Disease Control
CONOPS	Contingency Operations
COT	Commissioned Officer Training
C-STARs	Consortium for Sustainment of Trauma and Readiness Skills

### D

DHP	Defense Health Program
DO	Doctors of Osteopathy
DoD	Department of Defense
DQO	Data Quality Objectives

### E

EAF	Expeditionary Aerospace Forces
ECI	Extension Course Institute
ECL	English Comprehension Level
EMEDS	Expeditionary Medical Support
EMIS	Environmental Management Information System



<b>H</b>	
HAZMAT	Hazardous Materials
HAZWOPER	Hazardous Waste Operations & Emergency Response
<b>I</b>	
IAW	In Accordance With
IMSO	International Medical Student Officer
<b>M</b>	
MAJCOM	Major Command
MQA	Managing Quality Assurance
MSP	Mission Support Plan
MTM	Military Tropical Medicine
<b>N</b>	
NAMRU	Naval Medical Research Unit
NREMT	National Registry of Emergency Medical Technicians
<b>O</b>	
OOTW	Operations Other Than War
OSHA	Occupational Safety and Health Administration
<b>P</b>	
PAFSC	Primary Air Force Specialty Code
PHO	Public Health Officer
<b>R</b>	
RSV	Readiness Skills Verification
<b>S</b>	
SA	
SAO	Security Assistance Officer
SERE	Survival, Evasion, Resistance & Escape
SME	Subject Matter Expert
SRC	Survival Recovery Center
<b>T</b>	
TAC	Team Aerospace Council
TAFR	Team Aerospace Funding Requirement
TAOS	Team Aerospace Operational Solutions
TM	Training Manager
TNCC	Trauma Nursing Core Course
<b>U</b>	
USAF	United States Air Force
USAFR	United States Air Force Reserve
USAFSAM	United States Air Force School of Aerospace Medicine
USUHS	Uniformed Services University of the Health Sciences
UTC	Unit Type Code
<b>W</b>	
WMSD	Work-related Musculo-Skeletal Disorders





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# Appendix B

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## **USAF School of Aerospace Medicine**



### **Brooks City-Base TX**

Excellence Through Education

Note: This is an application only, not authorization to attend the requested course. The authorizing official at your unit/organization must ensure that you will attend the entire course. Confirmation of training will be sent via email or fax when you are gained to the Oracle Training Administration (OTA), the official Air Force training management computer system.

Today's Date:

Course Number:

Course Title:

Class ID:

Class Dates:

---

Name (Last/First/MI)

Military/Civilian Rank:

Social Security Number:

Branch of Service and Duty Location:

Duty/Job Title:

Voice DSN and Commercial Number:

Fax DSN and Commercial Number:

E-mail Address (functioning account):

Duty/Work Mailing Address:

Name of approving official and title (unit commander or other):

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All students must be available to attend the entire class, or they won't be considered for training. E-mail this form to: **USAFSAM/EAM Training**

You don't have email? Fax the form to DSN: 240-1519 Commercial: (210) 536-1519. Our mailing address is: USAFSAMEAM (Training), 2601 Louis Bauer Drive, Brooks City-Base TX 78235-5130.

Privacy Act-1974 as Amended applies. This memo contains information which must be protected IAW DoD 5400.11 and it is For Official Use Only (FOUO)

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**Application Process for USAF Dental Infection Control and Occupational Health Course:**

MAJCOM selects candidates for funded quotas from applications initiated locally according to procedures established by the command. All Active Duty USAF officers, enlisted, registered dental hygienists, and non-USAF personnel (e.g., Army, Navy, VA, Public Health Service, civilians), regardless of funding (i.e., local or command funds) who wish to attend the course must submit a course registration application to OSAP: P.O. Box 6297, Annapolis, MD 21401 found by visiting <http://www.osap.org>.







U.S. AIR FORCE

*School of Aerospace Medicine*

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# Contact Information

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**ETCA**

<https://etca.randolph.af.mil/listcourse.asp>

**Distance Learning**

<https://wwwsam.brooks.af.mil/web/DLIT/index.htm>

**USAFSAM Home Page**

<https://wwwsam.brooks.af.mil>

**Brooks Home Page**

<https://www.brooks.af.mil>

**International Training**

<http://wwwsam.brooks.af.mil/web/af/samit.htm>

Interested students should contact your US Embassy, Security Assistance Officer

**International Email**

[talk2afsam@msn.com](mailto:talk2afsam@msn.com)

Please include your name, email, and course of interest or the name of the person to whom the information needs to go.



**Colonel, (Dr.) Chris Kleinsmith, USAF, MC, CFS,**  
Director, International Medical Training  
International Health Specialist

**Mrs. Kim Byrd**  
Catalog Development and Design

**Colonel John Garland, USAF, BSC, CIH**  
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IMSO

